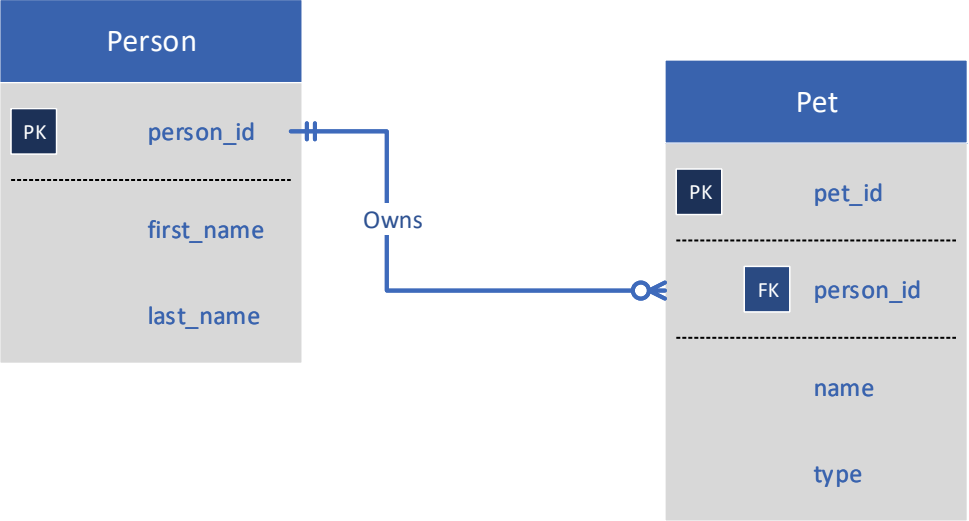
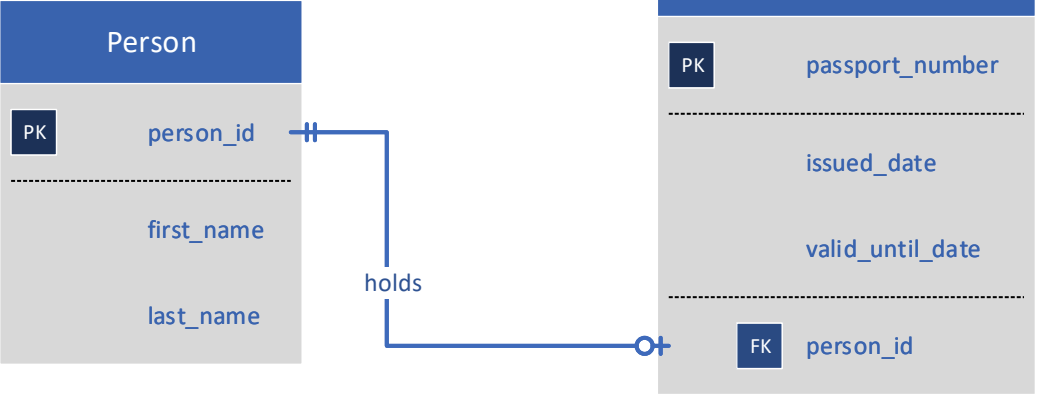
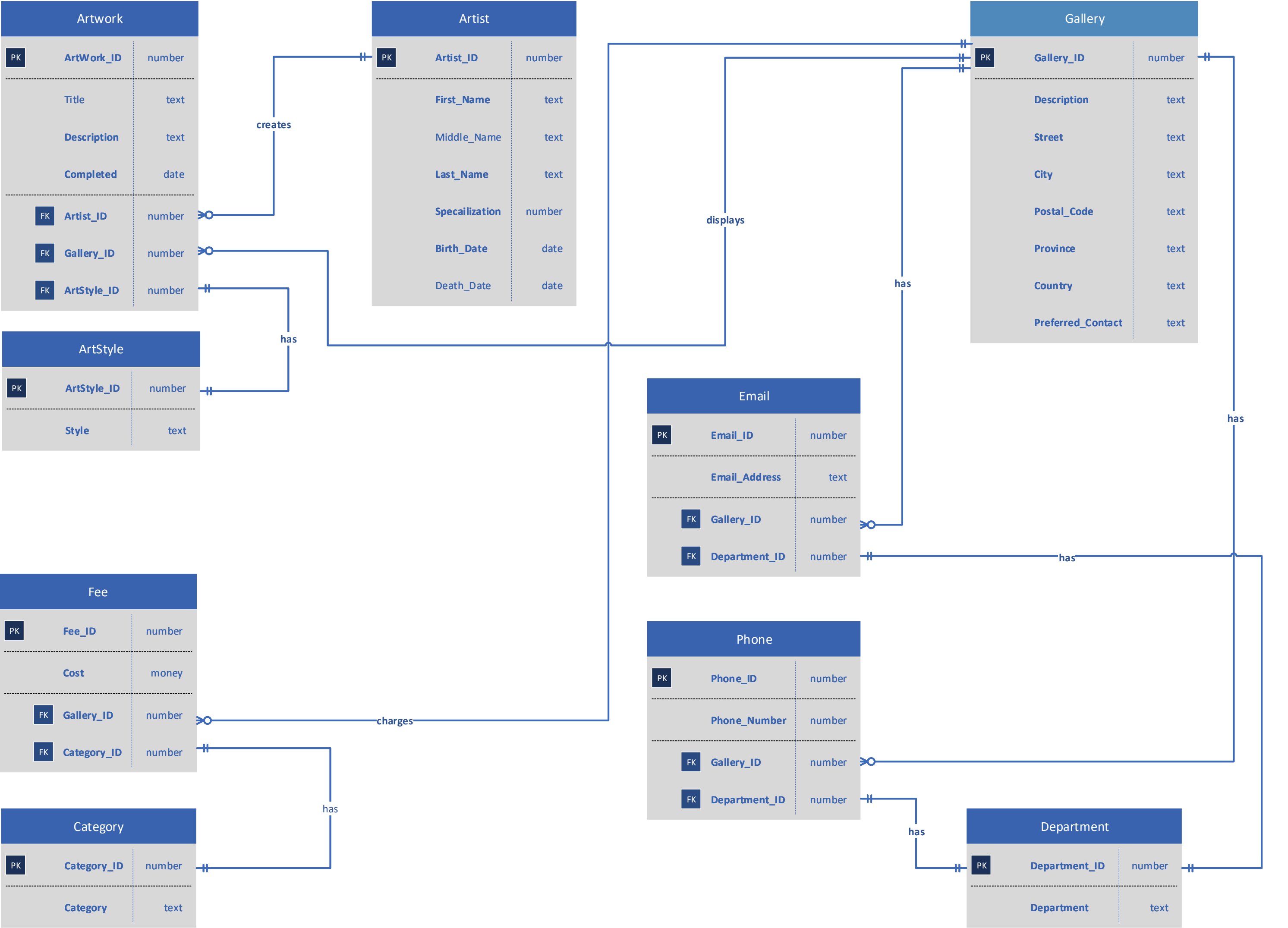






Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alan_Colquhoun Execute Debug

Object Explorer

- Ch08_AviaCo
- Project2_Alan_Colquhoun
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 - dbo.photo
 - dbo.post
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 - dbo.post_like
 - dbo.post_photo
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 - dbo.read_post
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 - Programmability
 - Service Broker

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58))

```
select * from photo;
```

Results

	photo_id	file_name	created_date	caption
1	1	barbara_profile.jpg	2019-06-15 00:00:00.000	Barbara's profile
2	2	img_9203710.jpg	2019-06-15 00:00:00.000	James' Profile
3	3	dcim_38118385.jpg	2019-06-15 00:00:00.000	Mary
4	4	knitting.jpg	2019-06-15 00:00:00.000	Knitted Touques
5	5	img_28391910488.jpg	2019-06-15 00:00:00.000	Richard
6	6	img_21838392835.jpg	2019-06-15 00:00:00.000	Mickey Mouse Cookies
7	7	img_38201884043.jpg	2019-06-15 00:00:00.000	So cute!
8	8	img_28320384855.jpg	2019-06-15 00:00:00.000	Smiling already!
9	9	rainbow.jpg	2019-06-15 00:00:00.000	Rainbow Quilt
10	10	stereo1.jpg	2019-06-15 00:00:00.000	Front Panel
11	11	stereo2.jpg	2019-06-15 00:00:00.000	Bass Speakers Install...
12	12	new_shed.jpg	2019-06-15 00:00:00.000	Shed inside empty
13	13	rose.jpg	2019-06-15 00:00:00.000	Rose
14	14	putter.jpg	2019-06-15 00:00:00.000	Putter
15	15	nine-iron.jpg	2019-06-15 00:00:00.000	9 Iron
16	16	driver.jpg	2019-06-15 00:00:00.000	Driver

Query executed successfully. B-12-XD-018 (13.0 SP2) sa (58) Project2_Alan_Colquhoun 00:00:00 16 rows

CitrixReceiverWeb.exe

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7:55 PM 2019-07-03

Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alan_Colquhoun Execute Debug

Object Explorer

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 - dbo.post_tag
 - dbo.read_post
 - dbo.tag
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 - Storage
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 - ReportServer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58))

```
select * from tag;
```

Results

	tag_id	tag_name
1	1	baking
2	2	cooking
3	3	crafts
4	4	DIY
5	5	cars
6	6	home repair
7	7	sports
8	8	music
9	9	shopping

Query executed successfully. B-12-XD-018 (13.0 SP2) | sa (58) | Project2_Alan_Colquhoun | 00:00:00 | 9 rows

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Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alan_Colquhoun Execute Debug

Object Explorer

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 - dbo.post_comment
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 - dbo.post_photo
 - dbo.post_tag
 - dbo.read_post
 - dbo.tag
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 - Programmability
 - Service Broker

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58))

```
select * from person;
```

Results

	person_id	first_name	last_name	email	password_hash	profile_photo_id
1	1	Barbara	Hodge	b.hodge@company.com	0x02006A0874C049FBCC15077698FABF8D39F9167728347FE...	1
2	2	James	Buckles	j.buckles@company.com	0x0200B9CD2242F11FEDC909B824BA2D7BF20332FA96E609...	2
3	3	Natalie	Wilhite	bestestforever@example.com	0x0200A9628CCCE40B937E6DE7762FE34AA4D8085921C5E7...	NULL
4	4	Mary	Barnett	lifesahighway@example.com	0x0200F2305205286C8A4C5B5D652E5038EBF8BD781787A9C...	3
5	5	Richard	Tipton	tippertapper266602@gmail.com	0x02001A03BC041A11003437426134B866F79B5A1067F4CA6...	5

Query executed successfully. B-12-XD-018 (13.0 SP2) sa (58) Project2_Alan_Colquhoun 00:00:00 5 rows

CitrixReceiverWeb.exe

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7:53 PM 2019-07-03

Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alan_Colquhoun Execute Debug

Object Explorer

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 - dbo.post_photo
 - dbo.post_tag
 - dbo.read_post
 - dbo.tag
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 - Programmability
 - Service Broker

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58))

```
select * from post;
```

Results

	post_id	title	description	created_date	last_modified_date	person_id
1	1	Mickey Mouse Cookies	I found this great recipe for sugar cookies and a ne...	2019-04-14 00:00:00.000	2019-04-15 00:00:00.000	1
2	2	Toques for infants	I'm knitting touques for our grandchild that should b...	2019-02-15 00:00:00.000	2019-02-16 00:00:00.000	3
3	3	Our newest family member!	Congratulations to our daughter on their new bundle...	2019-03-04 00:00:00.000	2019-03-04 00:00:00.000	3
4	4	Rainbow Quilt	Beautiful new rainbow quilt for our newest granddau...	2019-03-29 00:00:00.000	2019-04-01 00:00:00.000	3
5	5	New Car Stereo and Speakers	Best Bass Ever! You can hear me from 5 blocks aw...	2019-05-09 00:00:00.000	2019-05-09 00:00:00.000	2
6	6	Garden Shed	New garden shed has room for the lawn mowers all ...	2019-05-22 00:00:00.000	2019-05-22 00:00:00.000	2
7	7	Great way to hang pictures	It's simple and cost effective!	2019-04-27 00:00:00.000	2019-04-27 00:00:00.000	4
8	8	Beautiful colour, beautiful smell	Found a great place to buy the best roses!	2019-04-14 00:00:00.000	2019-04-16 00:00:00.000	4
9	9	Set of golf clubs for sale	A friend of mine is selling his set of clubs before he ...	2019-05-12 00:00:00.000	2019-05-15 00:00:00.000	2
10	10	Change your own oil, save hundreds!	Mechanics are too expensive, and it's not that hard ...	2019-02-22 00:00:00.000	2019-02-22 00:00:00.000	2
11	11	Awesome Floor Mats	Keep your car clean with these awesome car mats!	2019-03-03 00:00:00.000	2019-03-03 00:00:00.000	2

Query executed successfully. 11 rows

CitrixReceiverWeb.exe

Type here to search

7:56 PM 2019-07-03

Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alan_Colquhoun

Execute Debug

Object Explorer

Connect

Ch08_AviaCo

Project2_Alan_Colquhoun

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FileTables

External Tables

dbo.person

dbo.photo

dbo.post

dbo.post_comment

dbo.post_like

dbo.post_photo

dbo.post_tag

dbo.read_post

dbo.tag

Views

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Synonyms

Programmability

Service Broker

Storage

Security

ReportServer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58))

select * from post_tag;

Results

	post_tag_id	post_id	tag_id
1	1	1	1
2	2	1	2
3	3	1	3
4	4	2	3
5	5	2	4
6	6	3	NULL
7	7	4	3
8	8	4	4
9	9	5	5
10	10	5	4
11	11	6	4
12	12	6	6
13	13	7	6
14	14	8	NULL
15	15	9	7
16	16	10	5
17	17	10	4
18	18	11	5

Messages

Query executed successfully.

B-12-XD-018 (13.0 SP2) | sa (58) | Project2_Alan_Colquhoun | 00:00:00 | 18 rows

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8:01 PM 2019-07-03

Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alan_Colquhoun

Execute Debug

Object Explorer

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 - dbo.post_tag
 - dbo.read_post
 - dbo.tag
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SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58))

```
select * from post_comment;
```

Results

	post_comment_id	post_id	person_id	comment	created_date
1	1	1	3	I'm going to try those myself!	2019-07-03 18:27:47.033
2	2	3	1	Congratulations!	2019-07-03 18:27:47.033
3	3	3	2	How does it feel to be a grandma?	2019-07-03 18:27:47.033
4	4	4	1	Can You make me one next?	2019-07-03 18:27:47.033
5	5	6	1	What colour are you going to paint your shed?	2019-07-03 18:27:47.033
6	6	9	5	I need a good set of club; I'll take them!	2019-07-03 18:27:47.033

Query executed successfully. B-12-XD-018 (13.0 SP2) sa (58) Project2_Alan_Colquhoun 00:00:00 6 rows

CitrixReceiverWeb.exe

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7:57 PM 2019-07-03

Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alan_Colquhoun

Execute Debug

Object Explorer

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 - dbo.post
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 - dbo.post_photo
 - dbo.post_tag
 - dbo.read_post
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SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58))

```
select * from post_photo;
```

Results

	post_photo_id	post_id	photo_id
1	1	1	6
2	2	2	4
3	3	3	7
4	4	3	8
5	5	4	9
6	6	5	10
7	7	5	11
8	8	6	12
9	9	8	13
10	10	9	14
11	11	9	15

Query executed successfully. | B-12-XD-018 (13.0 SP2) | sa (58) | Project2_Alan_Colquhoun | 00:00:00 | 11 rows

CitrixReceiverWeb.exe

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8:00 PM 2019-07-03

Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alban_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alban_Colquhoun Execute Debug

Object Explorer

- Ch08_AviaCo
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 - dbo.post_comment
 - dbo.post_like
 - dbo.post_photo
 - dbo.post_tag
 - dbo.read_post
 - dbo.tag
 - Views
 - External Resources
 - Synonyms
 - Programmability
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SQLQuery2.sql - B-12-XD-018.Project2_Alban_Colquhoun - dbo.tag

```
select * from post_like;
```

Results

	post_like_id	post_id	person_id
1	1	1	3
2	2	2	4
3	3	3	1
4	4	3	2
5	5	3	4
6	6	3	5
7	7	5	5
8	8	9	5

Query executed successfully. B-12-XD-018 (13.0 SP2) sa (58) Project2_Alban_Colquhoun 00:00:00 8 rows

CitrixReceiverWeb.exe

Type here to search

7:58 PM 2019-07-03

Computing Desktop - Desktop Viewer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Project2_Alan_Colquhoun Execute Debug

Object Explorer

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 - Storage
 - Security
 - ReportServer

SQLQuery2.sql - B-12-XD-018.Project2_Alan_Colquhoun (sa (58))

```
select * from read_post;
```

Results

	read_post_id	post_id	person_id	created_date
1	1	1	3	2019-07-03 18:27:47.037
2	2	1	4	2019-07-03 18:27:47.037
3	3	2	4	2019-07-03 18:27:47.037
4	4	3	1	2019-07-03 18:27:47.037
5	5	3	2	2019-07-03 18:27:47.037
6	6	3	4	2019-07-03 18:27:47.037
7	7	3	5	2019-07-03 18:27:47.037
8	8	4	1	2019-07-03 18:27:47.037
9	9	5	5	2019-07-03 18:27:47.037
10	10	6	1	2019-07-03 18:27:47.037
11	11	6	5	2019-07-03 18:27:47.037
12	12	7	1	2019-07-03 18:27:47.037
13	13	9	5	2019-07-03 18:27:47.037
14	14	10	5	2019-07-03 18:27:47.037
15	15	11	1	2019-07-03 18:27:47.037

Query executed successfully. B-12-XD-018 (13.0 SP2) sa (58) Project2_Alan_Colquhoun 00:00:00 15 rows

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8:03 PM 2019-07-03

USE [Project2_Alan_Colquhoun]

GO

/***** Object: Table [dbo].[person] Script Date: 2019-07-10 11:39:17 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[person](

[person_id] [int] IDENTITY(1,1) NOT NULL,

[first_name] [nvarchar](50) NOT NULL,

[last_name] [nvarchar](50) NOT NULL,

[email] [nvarchar](150) NOT NULL,

[password_hash] [varbinary](75) NOT NULL,

[profile_photo_id] [int] NULL,

CONSTRAINT [PK_person] PRIMARY KEY CLUSTERED

(

[person_id] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[photo] Script Date: 2019-07-10 11:39:17 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[photo](

[photo_id] [int] IDENTITY(1,1) NOT NULL,

[file_name] [nvarchar](250) NOT NULL,

```

        [created_date] [datetime] NOT NULL,
        [caption] [nvarchar](500) NOT NULL,
CONSTRAINT [PK_photo] PRIMARY KEY CLUSTERED
(
        [photo_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]

```

GO

/***** Object: Table [dbo].[post] Script Date: 2019-07-10 11:39:17 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

```

CREATE TABLE [dbo].[post](
        [post_id] [int] IDENTITY(1,1) NOT NULL,
        [title] [nvarchar](250) NOT NULL,
        [description] [nvarchar](max) NOT NULL,
        [created_date] [datetime] NOT NULL,
        [last_modified_date] [datetime] NOT NULL,
        [person_id] [int] NOT NULL,

```

CONSTRAINT [PK_post] PRIMARY KEY CLUSTERED

(

[post_id] ASC

```

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

```

GO

/***** Object: Table [dbo].[post_comment] Script Date: 2019-07-10 11:39:17 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[post_comment](

[post_comment_id] [int] IDENTITY(1,1) NOT NULL,

[post_id] [int] NOT NULL,

[person_id] [int] NOT NULL,

[comment] [nvarchar](max) NOT NULL,

[created_date] [datetime] NOT NULL,

CONSTRAINT [PK_post_comment] PRIMARY KEY CLUSTERED

(

[post_comment_id] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

GO

/***** Object: Table [dbo].[post_like] Script Date: 2019-07-10 11:39:17 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[post_like](

[post_like_id] [int] IDENTITY(1,1) NOT NULL,

[post_id] [int] NOT NULL,

[person_id] [int] NULL,

CONSTRAINT [PK_post_like] PRIMARY KEY CLUSTERED

(

[post_like_id] ASC

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[post_photo] Script Date: 2019-07-10 11:39:18 AM *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[post_photo](
```

```
    [post_photo_id] [int] IDENTITY(1,1) NOT NULL,
```

```
    [post_id] [int] NOT NULL,
```

```
    [photo_id] [int] NULL,
```

```
CONSTRAINT [PK_post_photo] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [post_photo_id] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/***** Object: Table [dbo].[post_tag] Script Date: 2019-07-10 11:39:18 AM *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[post_tag](
```

```
    [post_tag_id] [int] IDENTITY(1,1) NOT NULL,
```

```
    [post_id] [int] NOT NULL,
```

```
    [tag_id] [int] NULL,
```

CONSTRAINT [PK_post_tag] PRIMARY KEY CLUSTERED

(

[post_tag_id] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[read_post] Script Date: 2019-07-10 11:39:18 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[read_post](

[read_post_id] [int] IDENTITY(1,1) NOT NULL,

[post_id] [int] NOT NULL,

[person_id] [int] NOT NULL,

[created_date] [datetime] NOT NULL,

CONSTRAINT [PK_read_post] PRIMARY KEY CLUSTERED

(

[read_post_id] ASC

)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

/***** Object: Table [dbo].[tag] Script Date: 2019-07-10 11:39:18 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

```

CREATE TABLE [dbo].[tag](
    [tag_id] [int] IDENTITY(1,1) NOT NULL,
    [tag_name] [nvarchar](50) NOT NULL,
    CONSTRAINT [PK_tag] PRIMARY KEY CLUSTERED
(
    [tag_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[photo] ADD CONSTRAINT [DF_photo_created_date] DEFAULT (getdate()) FOR
[created_date]
GO

ALTER TABLE [dbo].[post] ADD CONSTRAINT [DF_post_created_date] DEFAULT (getdate()) FOR
[created_date]
GO

ALTER TABLE [dbo].[post] ADD CONSTRAINT [DF_post_last_modified_date] DEFAULT (getdate()) FOR
[last_modified_date]
GO

ALTER TABLE [dbo].[post_comment] ADD CONSTRAINT [DF_post_comment_created_date] DEFAULT
(getdate()) FOR [created_date]
GO

ALTER TABLE [dbo].[read_post] ADD CONSTRAINT [DF_read_post_created_date] DEFAULT (getdate())
FOR [created_date]
GO

ALTER TABLE [dbo].[person] WITH CHECK ADD CONSTRAINT [FK__Person_Photo-ID] FOREIGN
KEY([profile_photo_id])
REFERENCES [dbo].[photo] ([photo_id])
GO

ALTER TABLE [dbo].[person] CHECK CONSTRAINT [FK__Person_Photo-ID]
GO

```

```
ALTER TABLE [dbo].[post] WITH CHECK ADD CONSTRAINT [FK_Post__Person_ID] FOREIGN  
KEY([person_id])
```

```
REFERENCES [dbo].[person] ([person_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post] CHECK CONSTRAINT [FK_Post__Person_ID]
```

```
GO
```

```
ALTER TABLE [dbo].[post_comment] WITH CHECK ADD CONSTRAINT [FK_PostComment_Person-ID]  
FOREIGN KEY([person_id])
```

```
REFERENCES [dbo].[person] ([person_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post_comment] CHECK CONSTRAINT [FK_PostComment_Person-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[post_comment] WITH CHECK ADD CONSTRAINT [FK_PostComment_Post-ID]  
FOREIGN KEY([post_id])
```

```
REFERENCES [dbo].[post] ([post_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post_comment] CHECK CONSTRAINT [FK_PostComment_Post-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[post_like] WITH CHECK ADD CONSTRAINT [FK_PostLike_Person-ID] FOREIGN  
KEY([person_id])
```

```
REFERENCES [dbo].[person] ([person_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post_like] CHECK CONSTRAINT [FK_PostLike_Person-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[post_like] WITH CHECK ADD CONSTRAINT [FK_PostLike_Post-ID] FOREIGN  
KEY([post_id])
```

```
REFERENCES [dbo].[post] ([post_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post_like] CHECK CONSTRAINT [FK_PostLike_Post-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[post_photo] WITH CHECK ADD CONSTRAINT [FK_PostPhoto_Photo-ID] FOREIGN  
KEY([photo_id])
```

```
REFERENCES [dbo].[photo] ([photo_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post_photo] CHECK CONSTRAINT [FK_PostPhoto_Photo-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[post_photo] WITH CHECK ADD CONSTRAINT [FK_PostPhoto_Post-ID] FOREIGN  
KEY([post_id])
```

```
REFERENCES [dbo].[post] ([post_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post_photo] CHECK CONSTRAINT [FK_PostPhoto_Post-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[post_tag] WITH CHECK ADD CONSTRAINT [FK_PostTag-Post-ID] FOREIGN  
KEY([post_id])
```

```
REFERENCES [dbo].[post] ([post_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post_tag] CHECK CONSTRAINT [FK_PostTag-Post-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[post_tag] WITH CHECK ADD CONSTRAINT [FK_PostTag-Tag-ID] FOREIGN  
KEY([tag_id])
```

```
REFERENCES [dbo].[tag] ([tag_id])
```

```
GO
```

```
ALTER TABLE [dbo].[post_tag] CHECK CONSTRAINT [FK_PostTag-Tag-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[read_post] WITH CHECK ADD CONSTRAINT [FK_ReadPost_Person-ID] FOREIGN  
KEY([person_id])
```

```
REFERENCES [dbo].[person] ([person_id])
```

```
GO
```

```
ALTER TABLE [dbo].[read_post] CHECK CONSTRAINT [FK_ReadPost_Person-ID]
```

```
GO
```

```
ALTER TABLE [dbo].[read_post] WITH CHECK ADD CONSTRAINT [FK_ReadPost_Post-ID] FOREIGN  
KEY([post_id])
```

```
REFERENCES [dbo].[post] ([post_id])
```

```
GO
```

```
ALTER TABLE [dbo].[read_post] CHECK CONSTRAINT [FK_ReadPost_Post-ID]
```

```
GO
```

```
INSERT INTO PHOTO
```

```
(file_name, created_date, caption)
```

```
VALUES
```

```
('barbara_profile.jpg', '2019-06-15', 'Barbara"s profile'),
```

```
('img_9203710.jpg', '2019-06-15', 'James" Profile'),
```

```
('dcim_38118385.jpg', '2019-06-15', 'Mary'),
```

```
('knitting.jpg', '2019-06-15', 'Knitted Touques'),
```

```
('img_28391910488.jpg', '2019-06-15', 'Richard'),
```

```
('img_21838392835.jpg', '2019-06-15', 'Mickey Mouse Cookies'),
```

```
('img_38201884043.jpg', '2019-06-15', 'So cute!'),
```

```
('img_28320384855.jpg', '2019-06-15', 'Smiling already!'),
```

```
('rainbow.jpg', '2019-06-15', 'Rainbow Quilt'),
```

```
('stereo1.jpg', '2019-06-15', 'Front Panel'),
```

```
('stereo2.jpg', '2019-06-15', 'Bass Speakers Installed'),
```

```
('new_shed.jpg', '2019-06-15', 'Shed inside empty'),
```

```
('rose.jpg', '2019-06-15', 'Rose'),
```

```
('putter.jpg', '2019-06-15', 'Putter'),
```

```
('nine-iron.jpg', '2019-06-15', '9 Iron'),
```

```
('driver.jpg', '2019-06-15', 'Driver');
```

```
INSERT INTO TAG
```

```
(tag_name)
```

VALUES

('baking'),
('cooking'),
('crafts'),
('DIY'),
('cars'),
('home repair'),
('sports'),
('music'),
('shopping');

INSERT INTO PERSON

(first_name, last_name, email, password_hash, profile_photo_id)

VALUES

('Barbara', 'Hodge', 'b.hodge@company.com', PWDENCRYPT('P@ssword!'), 1),
('James', 'Buckles', 'j.buckles@company.com', PWDENCRYPT('Awesome8'), 2),
('Natalie', 'Wilhite', 'bestest.forever@example.com', PWDENCRYPT('CakesIsBest'), NULL),
('Mary', 'Barnett', 'lifesahighway@example.com', PWDENCRYPT('goGOgo'), 3),
('Richard', 'Tipton', 'tippertapper266602@gmail.com', PWDENCRYPT('tiptap'), 5);

INSERT INTO POST

(title, description, created_date, last_modified_date, person_id)

VALUES

('Mickey Mouse Cookies', 'I found this great recipe for sugar cookies and a new Mickey Mouse cookie cutter.', '2019-04-14', '2019-04-15', '1'),

('Toques for infants', 'I''m knitting touques for our grandchild that should be born soon!', '2019-02-15', '2019-02-16', '3'),

('Our newest family member!', 'Congratulations to our daughter on their new bundle of joy! Theresa May - Born March 3, 2019.', '2019-03-04', '2019-03-04', '3'),

('Rainbow Quilt', 'Beautiful new rainbow quilt for our newest granddaughter.', '2019-03-29', '2019-04-01', '3'),

('New Car Stereo and Speakers', 'Best Bass Ever! You can hear me from 5 blocks away!', '2019-05-09', '2019-05-09', '2'),

('Garden Shed', 'New garden shed has room for the lawn mowers all our garden tools', '2019-05-22', '2019-05-22', '2'),

('Great way to hang pictures', 'It''s simple and cost effective!', '2019-04-27', '2019-04-27', '4'),

('Beautiful colour, beautiful smell', 'Found a great place to buy the best roses!', '2019-04-14', '2019-04-16', '4'),

('Set of golf clubs for sale', 'A friend of mine is selling his set of clubs before he moves to Saskatchewan.', '2019-05-12', '2019-05-15', '2'),

('Change your own oil, save hundreds!', 'Mechanics are too expensive, and it''s not that hard to do it yourself,', '2019-02-22', '2019-02-22', '2'),

('Awesome Floor Mats', 'Keep your car clean with these awesome car mats!', '2019-03-03', '2019-03-03', '2');

INSERT INTO POST_TAG

(post_id, tag_id)

VALUES

('1', '1'),

('1', '2'),

('1', '3'),

('2', '3'),

('2', '4'),

('4', '3'),

('4', '4'),

('5', '5'),

('5', '4'),

('6', '4'),

('6', '6'),

('7', '6'),

('9', '7'),

('10', '5'),

('10', '4'),

```
('11', '5');
```

```
INSERT INTO POST_COMMENT
```

```
(post_id, person_id, comment)
```

```
VALUES
```

```
(1, 3, 'I'm going to try those myself!'),
```

```
(3, 1, 'Congratulations!'),
```

```
(3, 2, 'How does it feel to be a grandma?'),
```

```
(4, 1, 'Can You make me one next?'),
```

```
(6, 1, 'What colour are you going to paint your shed?'),
```

```
(9, 5, 'I need a good set of club; I'll take them!');
```

```
INSERT INTO POST_PHOTO
```

```
(post_id, photo_id)
```

```
VALUES
```

```
('1', '6'),
```

```
    ('2', '4'),
```

```
    ('3', '8'),
```

```
    ('3', '7'),
```

```
    ('4', '9'),
```

```
    ('5', '11'),
```

```
    ('5', '10'),
```

```
    ('6', '12'),
```

```
    ('8', '13'),
```

```
    ('9', '15'),
```

```
    ('9', '16'),
```

```
    ('9', '14');
```

```
INSERT INTO POST_LIKE
```

```
(post_id, person_id)
```

```
VALUES
```

```
('1', '3'),
```

('2', '4'),

('3', '1'),

('3', '2'),

('3', '4'),

('3', '5'),

('5', '5'),

('9', '5');

INSERT INTO READ_POST

(post_id, person_id)

VALUES

('1', '3'),

('1', '4'),

('2', '4'),

('3', '1'),

('3', '2'),

('3', '4'),

('3', '5'),

('4', '1'),

('5', '5'),

('6', '1'),

('6', '5'),

('7', '1'),

('9', '5'),

('10', '5'),

('11', '1');

SELECT title, tag_name

FROM post

```
join post_tag on post.post_id = post_tag.post_id
join tag on post_tag.tag_id = tag.tag_id
WHERE tag_name = 'DIY';
```

```
SELECT title, tag_name
FROM post
join post_tag on post.post_id = post_tag.post_id
join tag on post_tag.tag_id = tag.tag_id
WHERE title = 'Mickey Mouse Cookies';
```

```
SELECT title, count(tag_name) AS 'Number of Tags'
FROM post
left join post_tag on post.post_id = post_tag.post_id
left join tag on post_tag.tag_id = tag.tag_id
GROUP BY title
ORDER BY count(tag_name) desc;
```

```
SELECT title, count(tag_name) AS 'Number of Tags'
FROM post
left join post_tag on post.post_id = post_tag.post_id
left join tag on post_tag.tag_id = tag.tag_id
WHERE tag.tag_id IS NULL
GROUP BY title
ORDER BY count(tag_name) desc;
```

```
SELECT tag_name, count(post.post_id) AS 'Number of Posts'
FROM tag left join post_tag on tag.tag_id = post_tag.tag_id
left join post on post_tag.post_id = post.post_id
GROUP BY tag_name
```

```
ORDER BY count(post.post_id) desc, tag_name;
```

```
SELECT post_id, title, first_name  
FROM post join person on post.person_id = person.person_id  
WHERE post_id IN  
(SELECT post_id  
FROM read_post  
GROUP BY post_id);
```

```
SELECT post_id, title, first_name  
FROM post join person on post.person_id = person.person_id  
WHERE post_id NOT IN  
(SELECT post_id  
FROM read_post  
GROUP BY post_id);
```

```
SELECT post_id, title, first_name, FORMAT(created_date, 'yyyy-MM-dd') AS 'created_date',  
      FORMAT(last_modified_date, 'yyyy-mm-dd') AS 'last_modified_date'  
FROM post join person on post.person_id = person.person_id  
WHERE created_date != last_modified_date;
```

```
SELECT post_id, title, first_name  
FROM post join person on post.person_id = person.person_id  
WHERE post_id NOT IN (SELECT post.post_id  
FROM post join post_photo on post.post_id = post_photo.post_id);
```

```
SELECT title, count(post_like.person_id) AS 'Number of Likes'  
FROM post_like left join post on post_like.post_id = post.post_id  
GROUP by title
```

```
ORDER by count(post_like.person_id) desc;
```

```
SELECT TOP 1 first_name, last_name, count(post_id) AS 'Number of Posts'
FROM post right join person on post.person_id = person.person_id
GROUP by last_name, first_name
ORDER by count(post_id) desc;
```

```
SELECT TOP 1 first_name, last_name, count(post_id) AS 'Number of Posts'
FROM post right join person on post.person_id = person.person_id
GROUP by last_name, first_name
ORDER by count(post_id);
```

```
SELECT post.post_id, title, first_name AS 'author', comment, (
    SELECT first_name
    FROM person
    WHERE post_comment.person_id = person.person_id ) AS 'commenter'
FROM post_comment right join post on post_comment.post_id = post.post_id
    join person on post.person_id = person.person_id
WHERE post.post_id IN (SELECT post.post_id
FROM post join post_photo on post.post_id = post_photo.post_id);
```

```
SELECT post.post_id, title, count(read_post.person_id) AS 'reads',
(SELECT count(post_like.person_id)
FROM post_like
WHERE post.post_id = post_like.post_id) AS 'likes',
(SELECT count(post_comment.post_id)
FROM post_comment
WHERE post.post_id = post_comment.post_id) AS 'comments'
FROM post left join read_post on post.post_id = read_post.post_id
```

```
GROUP BY post.post_id, title
```

```
ORDER BY post.post_id;
```

```
SELECT photo_id, caption, file_name, 'Profile Photo' AS Type
```

```
FROM person join photo on person.profile_photo_id = photo.photo_id
```

```
UNION
```

```
SELECT photo.photo_id, caption, file_name, 'Post Photo' AS Type
```

```
FROM photo join post_photo on photo.photo_id = post_photo.photo_id
```

```
ORDER BY Type desc;
```