

Database Project

Phase I & II

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Database System

The main purpose of the design is to provide the database design of a social media like application where users can create lists for their favorite content and showcase it on their user profile as well as access other users' profiles to review their lists.

With this application, we provide the database design of a place where users could learn more about other users' interest on contents such as movies, series, and music so that people can connect with each other more deeply by learning about their shared interests in an easy way.

We believe with this application; people will be able to get to know one's interest as fast as possible in a more accurate and detailed way which will just increase the likelihood of creating strong relationships by making getting to know each other part shorter.

The system was designed in such a way that it allows more content to be added such as books or even food recipes, which creates great possibilities on scalability and the usefulness of the application.

The design consists of two main things which are the user part, the content part. The user part is to provide database design to be able to create certain functionalities such as being able to follow other users, creating lists for the contents, etc. The content part is to provide storage of content information such as detailed content information, people involved, genres, etc. and create further functionalities especially on discoverability of more contents via making it possible to review related contents based on certain information such as genres, artists, etc.

- Users will be able create lists and follow other users
- Users will have profiles which can be private that will hold their lists
- Lists will be able to store contents and can be private
- Contents will have related information blocks such as genres, artists
- Users will be able to discover new contents with these related information

TABLE NAME	ATTRIBUTE NAME	CONTENTS	TYPE	FORMAT	DOMAIN	REQUIRED	KEY	REFERENCE
Actor	PeopleID	People ID number	nchar(8)	ACT99999	ACT00001 – ACT99999	Y	FK	People
	FirstName	Actor first name	nvarchar(25)	Xxxxx		Y		
	MiddleName	Actor middle name	nvarchar(25)	Xxxxx				
	LastName	Actor last name	nvarchar(25)	Xxxxx		Y		
	ActorLink	Actor IMDB page	nvarchar(50)	Xxxxx				
Album	AlbumID	Album ID number	nchar(6)	ALB999	ALB001 – ALB999	Y	PK FK	People
	PeopleID	People ID number	nchar(8)	MSC99999	MSC00001 – MSC99999	Y		
	AlbumName	Album name	nvarchar(25)	Xxxxx		Y		
	AlbumCover	Album cover	nvarchar(50)	Xxxxx				
	ReleaseDate	Album release date	int	yyyy		Y		
	TotalMusic	Album music amount	int	99	0-99	Y		
	TotalDuration	Album duration	int	9999	0-9999	Y		
	AlbumLink	Album Spotify link	nvarchar(50)	Xxxxx		Y		
Content	ContentID	Content ID number	nchar(8)	XXX99999	XXX00001 – XXX99999	Y	PK	
	ContentName	Content name	nvarchar(25)	Xxxxx		Y		
	ContentPicture	Content picture	nvarchar(50)	Xxxxx				
	ReleaseDate	Content release date	int	yyyy		Y		
	ContentType	Content type	nvarchar(5)	Xxxxx		Y		
ContentGenre	ContentID	Content ID number	nchar(8)	XXX99999	XXX00001 – XXX99999	Y	FK FK	Content Genre
	GenreID	Genre ID number	nchar(8)	XXX99999	XXX00001 – XXX99999	Y		
Contributor	ContentID	Content ID number	nchar(8)	XXX99999	XXX00001 – XXX99999	Y	FK FK	Content People
	PeopleID	People ID number	nchar(8)	XXX99999	XXX00001 – XXX99999	Y		
	ContributionType	Contribution type	nvarchar(10)	Xxxxx		Y		
Director	PeopleID	People ID number	nchar(8)	DIR99999	DIR00001 – DIR99999	Y	FK	People
	FirstName	Director first name	nvarchar(25)	Xxxxx		Y		
	MiddleName	Director middle name	nvarchar(25)	Xxxxx				
	LastName	Director last name	nvarchar(25)	Xxxxx				
	DirectorLink	Director IMDB link	nvarchar(50)	Xxxxx		Y		
Follows	FollowerID	Follower ID number	nchar(8)	USR99999	USR00001 – USR99999	Y	FK FK	User User
	FolloweeID	Followee ID number	nchar(8)	USR99999	USR00001 – USR99999	Y		
	FollowDate	Following start date	date	yyyy-mm-dd		Y		
Genre	GenreID	Genre ID number	nchar(8)	XXX99999	XXX00001 – XXX99999	Y	PK	
	GenreName	Genre name	nvarchar(25)	Xxxxx		Y		
	GenreType	Genre type	nvarchar(5)	Xxxxx		Y		
	GenreDescription	Genre description	text	Xxxxx xxxx		Y		
List	ListID	List ID number	nchar(6)	LST999	LST001 – LST999	Y	PK FK	User
	UserID	User ID number	nchar(8)	USR99999	USR00001 – USR99999	Y		
	ListName	List name	nvarchar(25)	Xxxxx		Y		
	ListPicture	List picture	nvarchar(50)	Xxxxx				
	ListVisibility	List visibility	bit	(0,1)		Y		
	CreateDate	List creation date	date	yyyy-mm-dd		Y		
ListContent	ListID	List ID number	nchar(6)	LST999	LST001 – LST999	Y	FK FK	List Content
	ContentID	Content ID number	nchar(8)	XXX99999	XXX00001 – XXX99999	Y		
	ContentAddDate	Content add date	date	yyyy-mm-dd		Y		
Movie	ContentID	Content ID number	nchar(8)	MOV99999	MOV00001 – MOV99999	Y	FK	Content
	MovieDescription	Movie description	text	Xxxxx xxxx				
	Duration	Movie duration	int	999	0-999	Y		
	Rating	Movie rating	nvarchar(10)	R, PG-13, TV-MA etc.		Y		
	MovieTrailerLink	Movie trailer link from YouTube	nvarchar(50)	Xxxxx				
	MovieLink	Movie IMDB page link	nvarchar(50)	Xxxxx				
Music	ContentID	Content ID number	nchar(8)	MUS99999	MUS00001 – MUS99999	Y	FK FK	Content Album
	AlbumID	Album ID number	nchar(6)	ALB999	ALB001 – ALB999	Y		
	Duration	Music duration	int	999	0-999	Y		
	Tempo	Music tempo	int	999	0-999	Y		
	MusicLink	Music Spotify link	nvarchar(50)	Xxxxx				
Musician	PeopleID	People ID number	nchar(8)	MSC99999	MSC00001 – MSC99999	Y	FK	People
	MusicianLink	Musician Spotify page link	nvarchar(50)	Xxxxx				
	MusicianAboutMe	Information about the musician	text	Xxxxx xxxx				
People	PeopleID	People ID number	nchar(8)	XXX99999	XXX00001 – XXX99999	Y	PK	
	PeopleName	People name	nvarchar(25)	Xxxxx Xxxxx Xxxxx		Y		
	ProfilePicture	People picture	nvarchar(50)	Xxxxx				
	PeopleType	People type	nvarchar(10)	Xxxxx		Y		
Serie	ContentID	Content ID number	nchar(8)	SER99999	SER00001 – SER99999	Y	FK	Content
	SerieDescription	Serie description	text	Xxxxx xxxx				
	Duration	Serie duration	int	99	0-99	Y		
	Rating	Serie rating	nvarchar(10)	TV-13, TV-MA, TV-G etc.		Y		
	SerieTrailerLink	Serie trailer link from YouTube	nvarchar(50)	xxxxx				
	SerieLink	Serie IMDB page link	nvarchar(50)	xxxxx				
Users	UserID	User ID number	nchar(8)	USR99999	USR00001–USR99999	Y	PK	
	UserName	User name	nvarchar(25)	xxxxx		Y		
	FirstName	User first name	nvarchar(25)	Xxxxx		Y		
	LastName	User last name	nvarchar(25)	Xxxxx		Y		
	Email	User email address	nvarchar(50)	xxxxx@xxxxx.xxx		Y		
	UserPassword	User password	nvarchar(50)	xxxxx		Y		
	ProfilePicture	User profile picture	nvarchar(50)	Xxxxx		Y		
	ProfileVisibility	User profile visibility	bit	(0,1)		Y		
	CreateDate	User creation date	date	yyyy-mm-dd		Y		

Entity	Relationship	Connectivity	Other Entity
User	is in	One to Many	Follow
User	creates	One to Many	List
List	has	One to Many	ListContent
Content	is in	One to Many	ListContent
Content	is a	One to One	Movie
Content	is a	One to One	Serie
Content	is a	One to One	Music
Content	has	One to Many	Contributor
Content	has	One to Many	ContentGenre
Genre	is in	One to Many	ContentGenre
People	is in	One to Many	Contributor
People	is a	One to One	Director
People	is a	One to One	Actor
People	is a	One to One	Musician
Musician	has	One to Many	Album
Album	has	One to Many	Music

/* Below here contains all the required CREATE queries of the database project */

--DROP TABLE Users

```
CREATE TABLE Users (  
    UserID nchar(8) NOT NULL,  
    UserName nvarchar(25) UNIQUE NOT NULL,  
    FirstName nvarchar(25) NOT NULL,  
    LastName nvarchar(25) NOT NULL,  
    Email nvarchar(50) NOT NULL,  
    UserPassword nvarchar(50) NOT NULL,  
    ProfilePicture nvarchar(50),  
    ProfileVisibility bit NOT NULL DEFAULT 1,  
    CreateDate DATE NOT NULL,  
    PRIMARY KEY (UserID)  
)
```

--DROP TABLE Follows

```
CREATE TABLE Follows (  
    FollowerID nchar(8) NOT NULL,  
    FolloweeID nchar(8) NOT NULL,  
    FollowDate DATE NOT NULL,  
    FOREIGN KEY (FollowerID) REFERENCES Users,  
    FOREIGN KEY (FolloweeID) REFERENCES Users  
)
```

--DROP TABLE List

```
CREATE TABLE List (  
    ListID nchar(6) NOT NULL,  
    UserID nchar(8) NOT NULL,  
    ListName nvarchar(25) NOT NULL,  
    ListPicture nvarchar(50),  
    ListVisibility bit NOT NULL DEFAULT 1,  
    CreateDate DATE NOT NULL DEFAULT GETDATE(),  
    PRIMARY KEY (ListID),  
    FOREIGN KEY (UserID) REFERENCES Users  
)
```

--DROP TABLE Content

```
CREATE TABLE Content (  
    ContentID nchar(8) NOT NULL,  
    ContentName nvarchar(25) NOT NULL,  
    ContentPicture nvarchar(50),  
    ReleaseDate int NOT NULL,  
    ContentType nchar(5) NOT NULL,  
    PRIMARY KEY (ContentID)  
)
```

--DROP TABLE ListContent

```
CREATE TABLE ListContent (  
    ListID nchar(6) NOT NULL,  
    ContentID nchar(8) NOT NULL,  
    ContentAddDate DATE NOT NULL DEFAULT GETDATE(),  
    FOREIGN KEY (ListID) REFERENCES List,  
    FOREIGN KEY (ContentID) REFERENCES Content  
)
```

--DROP TABLE People

```
CREATE TABLE People (  
    PeopleID nchar(8) NOT NULL,  
    PeopleName nvarchar(25) NOT NULL,  
    ProfilePicture nvarchar(50),  
    PeopleType nvarchar(10) NOT NULL,  
    PRIMARY KEY (PeopleID)  
)
```

--DROP TABLE Contributor

```
CREATE TABLE Contributor (  
    ContentID nchar(8) NOT NULL,  
    PeopleID nchar(8) NOT NULL,  
    ContributionType nvarchar(10) NOT NULL,  
    FOREIGN KEY (ContentID) REFERENCES Content,  
    FOREIGN KEY (PeopleID) REFERENCES People  
)
```

--DROP TABLE Genre

```
CREATE TABLE Genre (  
    GenreID nchar(8) NOT NULL,  
    GenreName nvarchar(25) NOT NULL,  
    GenreType nvarchar(5) NOT NULL,  
    GenreDescription text,  
    PRIMARY KEY (GenreID)  
)
```

--DROP TABLE ContentGenre

```
CREATE TABLE ContentGenre (  
    ContentID nchar(8) NOT NULL,  
    GenreID nchar(8) NOT NULL,  
    FOREIGN KEY (ContentID) REFERENCES Content,  
    FOREIGN KEY (GenreID) REFERENCES Genre,  
)
```

--DROP TABLE Movie

```
CREATE TABLE Movie (  
    ContentID nchar(8) NOT NULL,  
    MovieDescription text,  
    Duration int NOT NULL,  
    Rating nvarchar(10) NOT NULL,  
    MovieTrailerLink nvarchar(50),  
    MovieLink nvarchar(50),  
    FOREIGN KEY (ContentID) REFERENCES Content  
)
```

--DROP TABLE Serie

```
CREATE TABLE Serie (  
    ContentID nchar(8) NOT NULL,  
    SerieDescription text,  
    Duration int NOT NULL,  
    Rating nvarchar(10) NOT NULL,  
    SerieTrailerLink nvarchar(50),  
    SerieLink nvarchar(50),  
    FOREIGN KEY (ContentID) REFERENCES Content  
)
```

--DROP TABLE Director

```
CREATE TABLE Director (  
    PeopleID nchar(8) NOT NULL,  
    FirstName nvarchar(25) NOT NULL,  
    MiddleName nvarchar(25),  
    LastName nvarchar(25) NOT NULL,  
    DirectorLink nvarchar(50)  
    FOREIGN KEY (PeopleID) REFERENCES People  
)
```


--DROP TABLE Actor

```
CREATE TABLE Actor (  
    PeopleID nchar(8) NOT NULL,  
    FirstName nvarchar(25) NOT NULL,  
    MiddleName nvarchar(25),  
    LastName nvarchar(25) NOT NULL,  
    ActorLink nvarchar(50)  
    FOREIGN KEY (PeopleID) REFERENCES People  
)
```

--DROP TABLE Musician

```
CREATE TABLE Musician (  
    PeopleID nchar(8) NOT NULL,  
    MusicianLink nvarchar(50),  
    MusicianAboutMe text,  
    FOREIGN KEY (PeopleID) REFERENCES People  
)
```

--DROP TABLE Album

```
CREATE TABLE Album (  
    AlbumID nchar(6) NOT NULL,  
    PeopleID nchar(8) NOT NULL,  
    AlbumName nvarchar(25) NOT NULL,  
    AlbumCover nvarchar(50),  
    ReleaseDate int NOT NULL,  
    TotalMusic int NOT NULL DEFAULT 0,  
    TotalDuration int NOT NULL DEFAULT 0,  
    AlbumLink nvarchar(50),  
    PRIMARY KEY (AlbumID),  
    FOREIGN KEY (PeopleID) REFERENCES People  
)
```

```
--DROP TABLE Music
CREATE TABLE Music (
    ContentID nchar(8) NOT NULL,
    AlbumID nchar(6) NOT NULL,
    Duration int NOT NULL,
    Tempo int NOT NULL,
    MusicLink nvarchar(50),
    FOREIGN KEY (ContentID) REFERENCES Content,
    FOREIGN KEY (AlbumID) REFERENCES Album
)
```

/* Below here contains ALTER queries */

```
ALTER TABLE Users
DROP COLUMN ProfilePicture;
```

```
ALTER TABLE List
DROP COLUMN ListPicture;
```

```
ALTER TABLE Music
ADD Tempo int NOT NULL
```

```
ALTER TABLE Users
ADD Status bit NOT NULL DEFAULT 1;
```

```
ALTER TABLE Movie
ALTER COLUMN MovieTrailerLink nvarchar(25);
```

```
ALTER TABLE Serie
ALTER COLUMN SerieTrailerLink nvarchar(25);
```

/* Below here contains INSERT queries with manual entry for more elemental data */

INSERT INTO Users

VALUES

('USR13013', '13berke', 'Berkecan', 'Erten', '13berkecan@gmail.com', 'bla123',
NULL, 1, GETDATE()),
('USR00054', 'hazalulger', 'Hazal', 'Ülger', 'hazalulger@gmail.com', '13579',
NULL, 0, GETDATE())

INSERT INTO List

VALUES

('LST001', 'USR13013', 'Berke"sMusic', NULL, 1, DEFAULT),
('LST002', 'USR13013', 'Berke"sMovie', NULL, 0, DEFAULT),
('LST003', 'USR13013', 'Berke"sSerie', NULL, 1, DEFAULT),
('LST004', 'USR00054', 'myMusic1', NULL, 1, DEFAULT),
('LST005', 'USR00054', 'myMusic2', NULL, 0, DEFAULT),
('LST006', 'USR00054', 'myMovies', NULL, 1, DEFAULT)

/* Below here contains INSERT queries with select statements for detailed data */

INSERT INTO ListContent

SELECT 'LST001' AS ListID, ContentID, GETDATE() as ContentAddDate
FROM Project.dbo.ViewContentGenre
WHERE GenreName IN ('modern rock', 'alternative rock', 'indie rock')

INSERT INTO ListContent

SELECT 'LST002' AS ListID, ContentID, GETDATE() as ContentAddDate
FROM Project.dbo.ViewContentGenre
WHERE GenreName = 'Action & Adventure'

```

INSERT INTO ListContent
SELECT 'LST003' AS ListID, ContentID, GETDATE() as ContentAddDate
FROM Project.dbo.ViewContentGenre
WHERE GenreName = 'TV Comedies'

INSERT INTO ListContent
SELECT 'LST004' AS ListID, ContentID, GETDATE() FROM ViewContentGenre
WHERE GenreName IN ('indie rock', 'indie pop', 'indie soul')
ORDER BY ContentID ASC

```

```

INSERT INTO ListContent
SELECT 'LST005' AS ListID, ContentID, GETDATE() FROM ViewContentGenre
WHERE GenreName IN ('pop soul', 'modern alternative rock', 'alt z')
ORDER BY ContentID ASC

```

```

INSERT INTO ListContent
SELECT 'LST006' AS ListID, ContentID, GETDATE() FROM ViewContentGenre
WHERE GenreName IN ('Thrillers', 'Documentaries')
ORDER BY ContentID ASC

```

/* Below here contains UPDATE and DELETE queries */

```

UPDATE List
SET ListName = 'Indie'
WHERE ListID = 'LST004'

```

```

UPDATE List
SET ListName = 'Mixed'
WHERE ListID = 'LST005'

```

```

UPDATE Users
SET ProfileVisibility = 1
WHERE CreateDate >= DATEADD(MONTH, -6, GETDATE())

```

```
UPDATE Users
SET ProfileVisibility = 0
WHERE CreateDate < DATEADD(MONTH, -6, GETDATE())
```

```
UPDATE Users
SET UserName = '13berkecan'
WHERE UserID = 'USR13013'
```

```
DELETE FROM List
WHERE UserID = 'USR13013'
```

```
DELETE FROM ListContent
WHERE ListID = 'LST001'
```

/ Below here contains VIEW queries */*

/ View for Content and People table */*

```
CREATE VIEW ViewContentPeople AS
    SELECT Content.ContentID, ContentName, ReleaseDate, ContentType,
    People.PeopleID, PeopleName, PeopleType
    FROM Content
    INNER JOIN Contributor
    ON Content.ContentID = Contributor.ContentID
    INNER JOIN People
    ON People.PeopleID = Contributor.PeopleID
```

	ContentID	ContentName	ReleaseDate	ContentType	PeopleID	PeopleName	PeopleType
1	MUS00001	24	2019	Music	MSC00001	IDK	Musician
2	MUS00002	505	2007	Music	MSC00002	Arctic Monkeys	Musician
3	MUS00003	24k	2020	Music	MSC00003	Tkay Maidza	Musician
4	MUS00004	A Painting in Paris	2018	Music	MSC00004	Arrested Youth	Musician
5	MUS00005	Afraid	2013	Music	MSC00005	The Neighbourhood	Musician
6	MUS00006	Ain't No Rest for the Wic	2009	Music	MSC00006	Cage The Elephant	Musician
7	MUS00007	All In My Head (feat. gra	2020	Music	MSC00007	Whethan	Musician
8	MUS00008	Always Forever	2013	Music	MSC00008	Cults	Musician
9	MUS00009	American Idiot	2004	Music	MSC00009	Green Day	Musician
10	MUS00010	Ashamed	2019	Music	MSC00010	Omar Apollo	Musician
11	MUS00011	Autoportrait	2019	Music	MSC00011	Demob Happy	Musician
12	MUS00012	Bad Decisions	2020	Music	MSC00012	The Strokes	Musician
13	MUS00013	Bad Habits	2015	Music	MSC00013	FIDLAR	Musician
14	MUS00014	Balaclava	2007	Music	MSC00002	Arctic Monkeys	Musician
15	MUS00015	Basket Case	1994	Music	MSC00009	Green Day	Musician
16	MUS00016	Bitin' the Bullet	2013	Music	MSC00014	Grouplove	Musician
17	MUS00017	BLUE	2019	Music	MSC00015	Zaia	Musician
18	MUS00018	Borderlines and Aliens	2013	Music	MSC00014	Grouplove	Musician
19	MUS00019	Boulevard of Broken D...	2004	Music	MSC00009	Green Day	Musician
20	MUS00020	BOY BYE	2019	Music	MSC00016	BROCKHAMPTON	Musician

/* View for Content and Movie Table */

CREATE VIEW ViewContentDetail1 AS

```

    SELECT Content.ContentID, ContentName, ReleaseDate, Duration, Rating,
    MovieDescription FROM Content
    INNER JOIN Movie
    ON Content.ContentID = Movie.ContentID

```

	ContentID	ContentName	ReleaseDate	Duration	Rating	MovieDescription
1	MOV00001	Extraction	2015	82	R	When a retired CIA agent is kidnapped, his son, a ...
2	MOV00002	The November Man	2014	108	R	An ex-CIA agent emerges from retirement to protec...
3	MOV00003	Beowulf	2007	114	PG-13	This deftly animated take on a legendary Old Engli...
4	MOV00004	Inception	2010	148	PG-13	A troubled thief who extracts secrets from people's ...
5	MOV00005	No Strings Attached	2011	109	R	"Friends with benefits" Emma and Adam are fine w...
6	MOV00006	The American	2010	105	R	Dispatched to a small Italian town to await further ...
7	MOV00007	Vampire Academy	2014	104	PG-13	A half-human, half-vampire teen must prepare for ...
8	MOV00008	The Strangers: Prey at Ni	2018	85	R	Home-invasion horror comes to the trailer park wh...
9	MOV00009	Yes Man	2008	104	PG-13	After a bitter divorce, a loan officer falls under the s...
10	MOV00010	Dances with Wolves	1990	181	PG-13	On the frontier, a Civil War soldier bonds with a Sio...
11	MOV00011	The Con Is On	2018	95	R	Two wedded partners-in-crime flee from their mas...
12	MOV00012	David Attenborough: A Lif	2020	84	PG	A broadcaster recounts his life, and the evolutionar...
13	MOV00013	Rize	2005	87	PG-13	This documentary explores "krumping," a fast-pac...
14	MOV00014	What a Girl Wants	2003	105	PG	In search of the father she's never met, the daught...
15	MOV00015	Sinister 2	2015	97	R	A single mother and her twin sons move into a rura...
16	MOV00016	Bill Burr: Paper Tiger	2019	67	TV-MA	Bill Burr unloads on outrage culture, male feminis...
17	MOV00017	Big Miracle	2012	107	PG	After a reporter writes about whales trapped in the ...
18	MOV00018	A Bridge Too Far	1977	176	PG	This wartime drama details a pivotal day in 1944 w...
19	MOV00019	Across the Universe	2007	133	PG-13	An American girl and a British lad fall in love amid t...
20	MOV00020	Black Hawk Down	2001	144	R	When U.S. forces attempt to capture two underling...

```
/* View for Content and Serie Table */
```

```
CREATE VIEW ViewContentDetail2 AS
```

```
    SELECT Content.ContentID, ContentName, ReleaseDate, Duration, Rating,
    SerieDescription FROM Content
    INNER JOIN Serie
    ON Content.ContentID = Serie.ContentID
```

	ContentID	ContentName	ReleaseDate	Duration	Rating	SerieDescription
1	SER00001	The Great British Baking	2021	9	TV-14	A talented batch of amateur bakers face off in a 10-...
2	SER00002	The Flash	2021	7	TV-14	A forensics expert who wakes from a coma with am...
3	SER00003	Riverdale	2019	4	TV-14	While navigating the troubled waters of sex, romanc...
4	SER00004	They've Gotta Have Us	2018	1	TV-MA	Powered by candid recollections from esteemed Afri...
5	SER00005	The American Bible Challe	2014	1	TV-G	Join host Jeff Foxworthy as contestants test their kno...
6	SER00006	Metallica: Some Kind of M	2014	1	TV-MA	This collection includes the acclaimed rock docume...
7	SER00007	Feel Good	2021	2	TV-MA	Stand-up comic Mae Martin navigates a passionate,...
8	SER00008	Halston	2021	1	TV-MA	His name built an empire. His style defined an era. ...
9	SER00009	Garth Brooks: The Road I'	2019	1	TV-PG	Revealing interviews and archive footage tell the sto...
10	SER00010	Last Tango in Halifax	2020	4	TV-MA	Two widowed childhood sweethearts fall for each ot...
11	SER00011	The Cat in the Hat Knows	2014	1	TV-Y	The Cat in the Hat is back - and this time, he's teachi...
12	SER00012	Schulz Saves America	2020	1	TV-MA	Comedian Andrew Schulz takes on the year's most ...
13	SER00013	Call the Midwife	2020	9	TV-MA	This period drama set in impoverished East London...
14	SER00014	Julie and the Phantoms	2020	1	TV-G	Julie lost her passion for music when she lost her m...
15	SER00015	Thomas and Friends	2020	2	TV-Y	This animated children's series follows the adventur...
16	SER00016	Abby Hatcher	2019	1	TV-Y	A big-hearted girl helps her Fuzzly friends who live i...
17	SER00017	DC's Legends of Tomorrow	2020	5	TV-14	A mysterious "time master" from the future unites an ...
18	SER00018	Supernatural	2019	15	TV-14	Siblings Dean and Sam crisscross the country, inves...
19	SER00019	Supergirl	2019	5	TV-14	To avert a disaster, Kara Danvers reveals her power...
20	SER00020	Patton Oswalt: I Love Eve	2020	1	TV-MA	Turning 50. Finding love again. Buying a house. Exp...

```
/* View for Content and Music Table */
```

```
CREATE VIEW ViewContentDetail3 AS
```

```
    SELECT Content.ContentID, ContentName, ReleaseDate, Duration, Tempo
FROM Content
    INNER JOIN Music
    ON Content.ContentID = Music.ContentID
```

	ContentID	ContentName	ReleaseDate	Duration	Tempo
1	MUS00001	24	2019	113	136
2	MUS00002	505	2007	254	140
3	MUS00003	24k	2020	234	118
4	MUS00004	A Painting in Paris	2018	214	75
5	MUS00005	Afraid	2013	251	84
6	MUS00006	Ain't No Rest for the Wic	2009	175	156
7	MUS00007	All In My Head (feat. gra	2020	148	147
8	MUS00008	Always Forever	2013	224	163
9	MUS00009	American Idiot	2004	176	186
10	MUS00010	Ashamed	2019	204	91
11	MUS00011	Autoportrait	2019	203	149
12	MUS00012	Bad Decisions	2020	293	153
13	MUS00013	Bad Habits	2015	333	205
14	MUS00014	Balaclava	2007	171	138
15	MUS00015	Basket Case	1994	182	85
16	MUS00016	Bitin' the Bullet	2013	249	82
17	MUS00017	BLUE	2019	137	116
18	MUS00018	Borderlines and Aliens	2013	230	103
19	MUS00019	Boulevard of Broken D...	2004	261	167
20	MUS00020	BOY BYE	2019	142	125

/* View for Content and Genre Table */

CREATE VIEW ViewContentGenre AS

SELECT Content.ContentID, ContentName, ReleaseDate, Genre.GenreID,
GenreName, ContentType FROM Content

INNER JOIN ContentGenre

ON Content.ContentID = ContentGenre.ContentID

INNER JOIN Genre

ON Genre.GenreID = ContentGenre.GenreID

	ContentID	ContentName	ReleaseDate	GenreID	GenreName	ContentType
1	MUS00001	24	2019	GMUS0001	dmv rap	Music
2	MUS00002	505	2007	GMUS0002	garage rock	Music
3	MUS00003	24k	2020	GMUS0003	australian hip hop	Music
4	MUS00004	A Painting in Paris	2018	GMUS0004	alt z	Music
5	MUS00005	Afraid	2013	GMUS0005	modern alternative rock	Music
6	MUS00006	Ain't No Rest for the Wic	2009	GMUS0006	modern rock	Music
7	MUS00007	All In My Head (feat. gra	2020	GMUS0007	edm	Music
8	MUS00008	Always Forever	2013	GMUS0008	experimental pop	Music
9	MUS00009	American Idiot	2004	GMUS0009	permanent wave	Music
10	MUS00010	Ashamed	2019	GMUS0010	alternative r&b	Music
11	MUS00011	Autoportrait	2019	GMUS0011	brighton indie	Music
12	MUS00012	Bad Decisions	2020	GMUS0012	alternative rock	Music
13	MUS00013	Bad Habits	2015	GMUS0013	australian garage punk	Music
14	MUS00014	Balaclava	2007	GMUS0002	garage rock	Music
15	MUS00015	Basket Case	1994	GMUS0009	permanent wave	Music
16	MUS00016	Bitin' the Bullet	2013	GMUS0014	indie rock	Music
17	MUS00017	BLUE	2019	GMUS0015	atl hip hop	Music
18	MUS00018	Borderlines and Aliens	2013	GMUS0014	indie rock	Music
19	MUS00019	Boulevard of Broken D...	2004	GMUS0009	permanent wave	Music
20	MUS00020	BOY BYE	2019	GMUS0016	boy band	Music


```
/* View for List and ContentTable */
```

```
CREATE VIEW ViewListContent AS
```

```
    SELECT List.ListID, UserID, ListName, ListVisibility, Content.ContentID,  
    ContentName, ReleaseDate, ContentAddDate FROM List
```

```
    INNER JOIN ListContent
```

```
    ON List.ListID = ListContent.ListID
```

```
    INNER JOIN Content
```

```
    ON Content.ContentID = ListContent.ContentID
```

```
    ORDER BY UserID, ListID ASC
```

	ListID	UserID	ListName	ListVisibility	ContentID	ContentName	ReleaseDate	ContentAddDate
1	LST002	USR13013	Berke'sMovie	0	MOV00001	Extraction	2015	2022-01-28
2	LST002	USR13013	Berke'sMovie	0	MOV00002	The November Man	2014	2022-01-28
3	LST002	USR13013	Berke'sMovie	0	MOV00003	Beowulf	2007	2022-01-28
4	LST006	USR00054	myMovies	1	MOV00004	Inception	2010	2022-01-28
5	LST002	USR13013	Berke'sMovie	0	MOV00004	Inception	2010	2022-01-28
6	LST006	USR00054	myMovies	1	MOV00006	The American	2010	2022-01-28
7	LST002	USR13013	Berke'sMovie	0	MOV00007	Vampire Academy	2014	2022-01-28
8	LST002	USR13013	Berke'sMovie	0	MOV00010	Dances with Wolves	1990	2022-01-28
9	LST006	USR00054	myMovies	1	MOV00012	David Attenborough: A Lif	2020	2022-01-28
10	LST006	USR00054	myMovies	1	MOV00013	Rize	2005	2022-01-28
11	LST002	USR13013	Berke'sMovie	0	MOV00018	A Bridge Too Far	1977	2022-01-28
12	LST002	USR13013	Berke'sMovie	0	MOV00020	Black Hawk Down	2001	2022-01-28
13	LST006	USR00054	myMovies	1	MOV00022	Furthest Witness	2017	2022-01-28
14	LST006	USR00054	myMovies	1	MOV00025	How the Beatles Changed t	2017	2022-01-28
15	LST002	USR13013	Berke'sMovie	0	MOV00027	Platoon	1986	2022-01-28
16	LST006	USR00054	myMovies	1	MOV00029	Secrets of Westminster	2014	2022-01-28
17	LST002	USR13013	Berke'sMovie	0	MOV00034	The Prince	2014	2022-01-28
18	LST002	USR13013	Berke'sMovie	0	MOV00036	The Taking of Pelham 123	2009	2022-01-28
19	LST006	USR00054	myMovies	1	MOV00037	Tunisian Victory	1944	2022-01-28
20	LST005	USR00054	Mixed	0	MUS00004	A Painting in Paris	2018	2022-01-28

```
/* Below here contains PROCEDURE queries */
```

```
/* Get the number of common followers */
```

```
CREATE PROCEDURE GetCommonFollow
@UserID nchar(8),
@TargetUserID nchar(8)
AS
SELECT COUNT(*) AS CommonFollow FROM Follows
WHERE FollowerID IN (
SELECT FolloweeID FROM Follows
WHERE FollowerID = @UserID)
AND FolloweeID = @TargetUserID
GROUP BY FolloweeID
```

```
/* Change the username of given user with a password check */
```

```
CREATE PROCEDURE ChangeUserName
@UserID nchar(8),
@UserPassword nvarchar(50),
@NewUserName nvarchar(25)
AS
UPDATE Users
SET UserName = @NewUserName
WHERE UserID = @UserID AND EXISTS (
SELECT * FROM Users
WHERE UserID = @UserID
AND UserPassword = @UserPassword
)
```

```
/* Below here contains TRIGGER queries */
```

```
/* Update User as inactive when deleted */
```

```
CREATE TRIGGER TriggerUpdateUserStatus
ON Users
INSTEAD OF DELETE
AS
BEGIN
    UPDATE Users
    SET [Status] = 0
    FROM Deleted
    WHERE Users.UserID = Deleted.UserID
END
```

```
/* Update Album data TotalDuration and TotalMusic automatically when new Music is
inserted */
```

```
CREATE TRIGGER TriggerAdjustAlbumLength
ON Music
AFTER INSERT
AS
DECLARE @TargetAlbumID nchar(4)
SELECT @TargetAlbumID = AlbumId FROM Inserted
BEGIN
    UPDATE Album
    SET TotalDuration = (
        SELECT SUM(Duration) FROM Music
        WHERE Music.AlbumID = @TargetAlbumID
        GROUP BY Music.AlbumID),
        TotalMusic = (
        SELECT COUNT(*) FROM Music
        WHERE Music.AlbumID = @TargetAlbumID
        GROUP BY Music.AlbumID)
    WHERE Album.AlbumID = @TargetAlbumID
END
```

/* Below here contains INDEX queries */

```
CREATE INDEX IndexUserName
ON Users (UserName);
```

```
CREATE INDEX IndexContentName
ON Content (ContentName);
```

```
CREATE INDEX IndexPeopleName
ON People (PeopleName);
```

/* Below here contains both SELECT queries and their outputs */

/* Note: Maximum of 20 rows are shown per query */

```
/* Get Users that were created in last month, ordered by creation date */
SELECT * FROM Users
WHERE CreateDate >= DATEADD(day, -30, GETDATE())
ORDER BY CreateDate DESC
```

	UserID	UserName	FirstName	LastName	Email	UserPassword	ProfilePicture	ProfileVisibility	CreateDate	Status
1	USR00054	hazalulger1	Hazal	Ulger	hazalulger@gmail.com	13579	NULL	0	2022-01-28	1
2	USR13013	berkecan	Berkecan	Erten	13berkecan@gmail.com	bla123	NULL	1	2022-01-28	1
3	USR56290	uvon	Adonis	Kling	francis.barton@gmail.com	9257b8b472da75126ffe0479cfeaa5b8ae191ae2	NULL	1	2022-01-12	1
4	USR57269	bernadette.kiehn	Darwin	Rath	laury24@langoshkirlin.org	0dd423e33f388dca12c72d9ea2dbed980a8f587a	NULL	1	2022-01-12	1
5	USR58776	mayer.cristobal	Pansy	Feeney	ograham@towne.org	dc191487a3766f34df24629c940938aa32a5a532	NULL	1	2022-01-11	1
6	USR16260	dfahey	Danika	West	kabbott@shields.com	865080136d0d9ccd9b600926de7e07e70c0daa86	NULL	1	2022-01-11	1
7	USR80787	eden.yost	Clint	Hammes	sherwood73@gmail.com	a195832237e96673eb26767a3125c82ec3dc26a5	NULL	1	2022-01-11	1
8	USR11052	hilpert.lyda	Cortez	Cruikshank	ametz@grimessanford.net	e10dc4c95049dd08ef8b4e3af30d602336d0826d	NULL	1	2022-01-11	1
9	USR28378	ulises97	Priscilla	Mayert	leannon.dario@yahoo.com	259d740dbcf50ce57891f4d0da400733b19a02e5	NULL	1	2022-01-11	1
10	USR34191	robel.nelda	Rosario	Abbott	cristal95@hotmail.com	ba378928ebb33be8deec13d8e2076be451f30569	NULL	1	2022-01-11	1
11	USR82978	adubuque	Keeley	Rath	opal90@jakubowski.biz	483cb483bba8bd4adb44e1bc93914d1083f279db	NULL	1	2022-01-10	1
12	USR27750	flossie.reilly	Maximo	Doyle	qschaefer@hotmail.com	3d839ee1b3ed31a672caa122af45c32b4bbc76f9	NULL	1	2022-01-10	1
13	USR62688	dashawn63	Ada	McCullough	brofson@hammes.com	#0178551c0877f5ea0957d2486c4f2c0bdd24bf	NULL	1	2022-01-09	1
14	USR35768	kcartwright	Griffin	Hayes	rutherford.isabel@gusikowskiortiz.com	c815d09040e6ab2f1291423c78153a5ea4a6e51c	NULL	1	2022-01-09	1
15	USR50241	margaretta61	Lempi	Lakin	ramona48@mclaughlin.com	dce80670181a15b2f07efddf6ebdbac4302acb12	NULL	1	2022-01-08	1
16	USR05406	zachariah87	Genevieve	Muller	osinski.jace@hotmail.com	8668eae21d4998033e8c1f48036201d674c4b027	NULL	1	2022-01-07	1
17	USR06961	homenick.janiya	Chris	Metz	ellie15@hermistonvolkmann.com	03b50f3964a64f0e0a7422b908563181d9913a2d	NULL	1	2022-01-07	1
18	USR11774	oberbrunner.haylie	Daisha	Predovic	rgaylord@fritsch.com	1fe7a07fecb6171e8140d84b04126bfebe6aaeb7	NULL	1	2022-01-06	1
19	USR51244	viviane62	Marguerite	Hammes	umehurst@bahringer.com	9e6dd45fea6939ca2f3eb40038b45f5d9e86dd6	NULL	1	2022-01-06	1
20	USR65628	saul.wiza	Delta	Wuckert	aditya.daniel@gmail.com	3f9a3a23ca053485d4ed522be000ad408f5dc1a	NULL	1	2022-01-06	1

/* Get Follower count */

```
SELECT FollowerID as UserID, COUNT(*) as Follows
FROM Follows
GROUP BY FollowerID
ORDER BY UserID
```

/* Get Followee count */

```
SELECT FolloweeID as UserID, COUNT(*) as Follower
FROM Follows
GROUP BY FolloweeID
ORDER BY UserID
```

	UserID	Follows
1	USR00081	89
2	USR00430	58
3	USR00432	59
4	USR00444	68
5	USR00625	51
6	USR00802	21
7	USR00804	82
8	USR00916	9
9	USR00979	6
10	USR01626	91
11	USR01657	35
12	USR01720	45
13	USR01793	61
14	USR01819	23
15	USR01953	69
16	USR01980	82
17	USR02112	85
18	USR02138	64
19	USR02169	57
20	USR02233	60

	UserID	Follower
1	USR00081	42
2	USR00430	41
3	USR00432	40
4	USR00444	40
5	USR00625	42
6	USR00802	46
7	USR00804	49
8	USR00916	46
9	USR00979	46
10	USR01626	55
11	USR01657	48
12	USR01720	50
13	USR01793	54
14	USR01819	43
15	USR01953	48
16	USR01980	52
17	USR02112	35
18	USR02138	51
19	USR02169	46
20	USR02233	55

```

/* Get both Follower and Followee count per User */
SELECT Follower.UserID, Follower.Amount as Follower, Followee.Amount as
Followee
FROM (
    SELECT FollowerID as UserID, COUNT(*) as Amount
    FROM Follows
    GROUP BY FollowerID
) AS Follower
INNER JOIN (
    SELECT FolloweeID as UserID, COUNT(*) as Amount
    FROM Follows
    GROUP BY FolloweeID
) AS Followee
ON Follower.UserID = Followee.UserID
ORDER BY Follower.UserID

```

	UserID	Follower	Followee
1	USR00081	89	42
2	USR00430	58	41
3	USR00432	59	40
4	USR00444	68	40
5	USR00625	51	42
6	USR00802	21	46
7	USR00804	82	49
8	USR00916	9	46
9	USR00979	6	46
10	USR01626	91	55
11	USR01657	35	48
12	USR01720	45	50
13	USR01793	61	54
14	USR01819	23	43
15	USR01953	69	48
16	USR01980	82	52
17	USR02112	85	35
18	USR02138	64	51
19	USR02169	57	46
20	USR02233	60	55

```

/* Get the list of types available as Content */
SELECT ContentType, COUNT(*) as Amount
FROM Content
GROUP BY ContentType
ORDER BY Amount DESC

```

	ContentType	Amount
1	Music	192
2	Serie	56
3	Movie	37

```

/* Get Contents that were released in a specific year, 2018, in alphabetical order */
SELECT * FROM Content
WHERE ReleaseDate = 2018 AND ContentType = 'Music'
ORDER BY ContentName ASC

```

	ContentID	ContentName	ContentPicture	ReleaseDate	ContentType
1	MUS00004	A Painting in Paris	NULL	2018	Music
2	MUS00044	didya think	NULL	2018	Music
3	MUS00049	Electrify	NULL	2018	Music
4	MUS00053	Far Away Truths	NULL	2018	Music
5	MUS00054	Feel Good Inc.	NULL	2018	Music
6	MUS00088	I'm Not Ok	NULL	2018	Music
7	MUS00099	Kids	NULL	2018	Music
8	MUS00114	My Friends Are Robots	NULL	2018	Music
9	MUS00124	Overnight	NULL	2018	Music
10	MUS00126	People	NULL	2018	Music
11	MUS00136	Reflections	NULL	2018	Music
12	MUS00138	Riot!	NULL	2018	Music
13	MUS00139	Rocky's Late Night	NULL	2018	Music
14	MUS00145	Set to Attack	NULL	2018	Music

```

/* Get Serie Contents with their respective description, in alphabetical order */
SELECT ContentName, SerieDescription FROM Content
INNER JOIN Serie
ON Content.ContentID = Serie.ContentID
WHERE ContentType = 'Serie'
ORDER BY ContentName ASC

```

	ContentName	SerieDescription
1	Abby Hatcher	A big-hearted girl helps her Fuzzly friends who live in ...
2	Ari Shaffir: Double Negat	Wry yet thoughtful, comedian Ari Shaffir brings his ed...
3	Arrow	Based on DC Comics' Green Arrow, an affluent playb...
4	Brave Miss World	Weeks before being named Miss World, Linor Abargi...
5	Call the Midwife	This period drama set in impoverished East London i...
6	Camelia la Texana	Inspired by the famous song "Contrabando y Traición...
7	Comedians in Cars Getting	Jerry Seinfeld's roving talk show combines coffee, la...
8	Dave Chappelle	Comedy icon Dave Chappelle makes his triumphant ...
9	Dave Chappelle: Equanimit	Comedy titan Dave Chappelle caps a wild year with t...
10	DC's Legends of Tomorrow	A mysterious "time master" from the future unites an ...
11	Ellen DeGeneres: Relatabl	In her first special since 2003, Ellen revisits her road t...
12	Father Brown	A modest, compassionate priest doubles as an effect...
13	Feel Good	Stand-up comic Mae Martin navigates a passionate, ...
14	Frozen Planet	Go on a journey through the Arctic and Antarctic with t...
15	Garth Brooks: The Road I'	Revealing interviews and archive footage tell the stor...
16	Gotham	Long before he was commissioner, rookie cop Jame...
17	Halston	His name built an empire. His style defined an era. A...
18	Hemlock Grove	Secrets are just a part of daily life in the small Pennsy...
19	Hoff the Record	TV star David Hasselhoff hopes to reboot his career i...
20	Jack Taylor	Ken Bruen's bestselling crime novels leap to life in th...

```

/* Get Movie Contents with detailed information, in alphabetical order */
SELECT Movie.ContentID, ContentName, Rating, Duration, ReleaseDate,
MovieDescription FROM Content
INNER JOIN Movie
ON Content.ContentID = Movie.ContentID
WHERE ContentType = 'Movie'
ORDER BY ContentName ASC

```

	ContentID	ContentName	Rating	Duration	ReleaseDate	MovieDescription
1	MOV00018	A Bridge Too Far	PG	176	1977	This wartime drama details a pivotal day in 1944 w...
2	MOV00019	Across the Universe	PG-13	133	2007	An American girl and a British lad fall in love amid t...
3	MOV00003	Beowulf	PG-13	114	2007	This deftly animated take on a legendary Old Engli...
4	MOV00017	Big Miracle	PG	107	2012	After a reporter writes about whales trapped in the ...
5	MOV00016	Bill Burr: Paper Tiger	TV-MA	67	2019	Bill Burr unloads on outrage culture, male feminis...
6	MOV00020	Black Hawk Down	R	144	2001	When U.S. forces attempt to capture two underling...
7	MOV00021	Candyman	R	99	1992	Grad student Helen Lyle unintentionally summons ...
8	MOV00010	Dances with Wolves	PG-13	181	1990	On the frontier, a Civil War soldier bonds with a Sio...
9	MOV00012	David Attenborough: A Lif	PG	84	2020	A broadcaster recounts his life, and the evolutionar...
10	MOV00001	Extraction	R	82	2015	When a retired CIA agent is kidnapped, his son, a g...
11	MOV00022	Furthest Witness	TV-MA	88	2017	Kyle helps people disappear, but when a crazed kil...
12	MOV00023	Goosebumps 2: Haunted Hal	PG	90	2018	Three teens spend their Halloween trying to stop a ...
13	MOV00024	Hairspray	PG	116	2007	In 1962, ambitious plus-size teen Tracy Turnblad tr...
14	MOV00025	How the Beatles Changed t	TV-PG	110	2017	Interviews and rare archival footage illuminate how...
15	MOV00004	Inception	PG-13	148	2010	A troubled thief who extracts secrets from people's ...
16	MOV00026	Mary Poppins Returns	PG	131	2018	In 1930s London, Michael Banks and his three chil...
17	MOV00005	No Strings Attached	R	109	2011	"Friends with benefits" Emma and Adam are fine w...
18	MOV00027	Platoon	R	120	1986	A soldier grows disillusioned as he's caught betwe...
19	MOV00028	Revolutionary Road	R	120	2008	April and Frank's marriage unravels when a plan to...
20	MOV00013	Rize	PG-13	87	2005	This documentary explores "krumping," a fast-pace...


```

/* Get Music Contents with detailed information, in reverse chronological order */
SELECT ContentName, Duration, Tempo, AlbumName, Album.ReleaseDate,
PeopleName
FROM Content
INNER JOIN Music ON Content.ContentID = Music.ContentID
INNER JOIN Album ON Music.AlbumID = Album.AlbumID
INNER JOIN People ON Album.PeopleID = People.PeopleID
ORDER BY ReleaseDate DESC

```

	ContentName	Duration	Tempo	AlbumName	ReleaseDate	PeopleName
1	buzzkill	140	170	forever fifteen	2021	Mothica
2	Deadline	219	158	Deadline	2021	Grouplove
3	Dice	182	158	Complex Happenings Reduce	2021	Leoniden
4	Freaks	147	180	Freaks	2021	Surf Curse
5	Kevin	199	102	Are You Living In The Rea	2021	Oliver Malcolm
6	L.O.V.E.	194	150	Complex Happenings Reduce	2021	Leoniden
7	Locked In A Cage	197	83	Bangs	2021	Brick + Mortar
8	Monday	176	109	Monday	2021	The Regrettes
9	Romeo (feat. Bas)	166	95	Loving In Stereo	2021	Jungle
10	Runaway	126	158	Are You Living In The Rea	2021	Oliver Malcolm
11	Skywalker	243	174	Are You Living In The Rea	2021	Oliver Malcolm
12	Switched Up	146	110	Are You Living In The Rea	2021	Oliver Malcolm
13	Terrible Things	233	150	Bangs	2021	Brick + Mortar
14	TGIF (feat. Tom Morello)	200	130	TGIF (feat. Tom Morello)	2021	K.Flay
15	The Machine	204	166	Are You Living In The Rea	2021	Oliver Malcolm
16	Typhoons	237	115	Typhoons	2021	Royal Blood
17	Where Is My Mind?	177	148	Where Is My Mind?	2021	Tkay Maidza
18	Where's Your Head?	193	180	I Wish I Was A...	2020	NOISY
19	Why Are Sundays So Depres	276	110	The New Abnormal	2020	The Strokes
20	Weird Leisure	248	145	A Celebration Of Endings	2020	Biffy Clyro

```

/* Get the list of types available in Genre */
SELECT GenreType, COUNT(*) AS Amount
FROM Genre
GROUP BY GenreType
ORDER BY Amount

```

	GenreType	Amount
1	Movie	14
2	Serie	19
3	Music	42

/* Get Content with specific genre, TV Comedies and Comedies, in alphabetical order */

```
SELECT ContentName, GenreName, GenreType FROM Genre AS G
INNER JOIN ContentGenre AS CG
ON G.GenreID = CG.GenreID
INNER JOIN Content AS C
ON CG.ContentID = C.ContentID
WHERE G.GenreName = 'TV Comedies' OR G.GenreName = 'Comedies'
ORDER BY ContentName ASC
```

	ContentName	GenreName	GenreType
1	Comedians in Cars Getting	TV Comedies	Serie
2	Dave Chappelle	TV Comedies	Serie
3	Dave Chappelle: Equanimit	TV Comedies	Serie
4	Ellen DeGeneres: Relatabl	TV Comedies	Serie
5	Feel Good	TV Comedies	Serie
6	Goosebumps 2: Haunted Hal	Comedies	Movie
7	Hairspray	Comedies	Movie
8	Hoff the Record	TV Comedies	Serie
9	Julie and the Phantoms	TV Comedies	Serie
10	Middleditch & Schwartz	TV Comedies	Serie
11	No Strings Attached	Comedies	Movie
12	Old Money	TV Comedies	Serie
13	Patton Oswalt I Love Eve	TV Comedies	Serie
14	Royal Pains	TV Comedies	Serie
15	Schulz Saves America	TV Comedies	Serie
16	Stranger than Fiction	Comedies	Movie
17	The Con Is On	Comedies	Movie
18	The Men Who Stare at Goat	Comedies	Movie
19	THE RUM DIARY	Comedies	Movie
20	Toast of London	TV Comedies	Serie

/* Get the amount of Music Content per Genre, ordered by decreasing of amount */

```
SELECT GenreName, COUNT(*) AS Amount
FROM Content AS C
INNER JOIN ContentGenre AS CG
ON C.ContentID = CG.ContentID
INNER JOIN Genre AS G
ON G.GenreID = CG.GenreID
WHERE G.GenreType = 'Music'
GROUP BY GenreName
ORDER BY Amount DESC
```

	GenreName	Amount
1	alternative rock	26
2	indie rock	16
3	modern rock	14
4	garage rock	13
5	alt z	12
6	modern alternative rock	12
7	indie pop	8
8	indie popitism	7
9	alternative r&b	6
10	indie hip hop	6
11	modern indie pop	6
12	australian psych	5
13	electropop	5
14	asbury park indie	4
15	conscious hip hop	4
16	australian garage punk	4
17	german indie	4
18	indietronica	4
19	edm	3
20	australian hip hop	3

```

/* Get Directors with Contents they have directed, in alphabetical order */
SELECT PeopleType, PeopleName, ContentName, ReleaseDate, ContentType
FROM People AS P
INNER JOIN Contributor AS CP
ON P.PeopleID = CP.PeopleID
INNER JOIN Content AS C
ON CP.ContentID = C.ContentID
WHERE CP.ContributionType = 'Director'
ORDER BY PeopleName

```

	PeopleType	PeopleName	ContentName	ReleaseDate	ContentType
1	Director	Adam Del Giudice	Furthest Witness	2017	Movie
2	Director	Adam Shankman	Hairspray	2007	Movie
3	Director	Alan Poul	The Eddy	2020	Serie
4	Director	Alastair Fothergill	David Attenborough: A Lif	2020	Movie
5	Director	Alastair Fothergill	Frozen Planet	2011	Serie
6	Director	Alastair Fothergill	Planet Earth: The Complet	2006	Serie
7	Director	Alastair Fothergill	The Blue Planet: A Natura	2001	Serie
8	Director	Alexx Media	Schulz Saves America	2020	Serie
9	Director	Ally Pankiw	Feel Good	2021	Serie
10	Director	Andy Devonshire	The Great British Baking	2021	Serie
11	Director	Anthony Veiller	Tunisian Victory	1944	Movie
12	Director	Anton Corbijn	The American	2010	Movie
13	Director	Ari Sandel	Goosebumps 2: Haunted Hal	2018	Movie
14	Director	Bernard Rose	Candyman	1992	Movie
15	Director	Brian A. Miller	The Prince	2014	Movie
16	Director	Bruce Robinson	THE RUM DIARY	2011	Movie
17	Director	Bruce Sinofsky	Metallica: Some Kind of M	2014	Serie
18	Director	Carlos Bolado	Camelia la Texana	2014	Serie
19	Director	Cecilia Peck	Brave Miss World	2013	Serie
20	Director	Christopher Nolan	Inception	2010	Movie

/* Get the amount of People per job type, ordered by decreasing of amount */

```
SELECT PeopleType, COUNT(*) as Amount
FROM People
GROUP BY PeopleType
ORDER BY Amount DESC
```

	PeopleType	Amount
1	Actor	744
2	Director	100
3	Musician	76

/* Get the amount of Album per Musician (People), ordered by decreasing of amount and alphabetical order of Musician name */

```
SELECT PeopleName, COUNT(*) AS Amount
FROM People AS P
INNER JOIN Album AS A
ON P.PeopleID = A.PeopleID
GROUP BY PeopleName
ORDER BY Amount DESC, PeopleName ASC
```

	PeopleName	Amount
1	Grouplove	5
2	K.Flay	4
3	almost monday	3
4	binki	3
5	Cage The Elephant	3
6	Franz Ferdinand	3
7	Gorillaz	3
8	Green Day	3
9	Joywave	3
10	Logic	3
11	The Hives	3
12	The Neighbourhood	3
13	The Regrettes	3
14	The Strokes	3
15	alt-J	2
16	Arctic Monkeys	2
17	BENEE	2
18	Brick + Mortar	2
19	Duckwrth	2
20	FIDLAR	2

/* Get the amount of Music per Musician (People), ordered by decreasing of amount and alphabetical order of Musician name */

```
SELECT PeopleName, COUNT(*) AS Amount
FROM People AS P
INNER JOIN Contributor AS CP
ON P.PeopleID = CP.PeopleID
INNER JOIN Content AS C
ON CP.ContentID = C.ContentID
GROUP BY PeopleName
ORDER BY Amount DESC, PeopleName ASC
```

	PeopleName	Amount
1	Grouplove	14
2	Arctic Monkeys	13
3	Cage The Elephant	13
4	Franz Ferdinand	7
5	The Strokes	7
6	Joywave	6
7	Oliver Malcolm	5
8	The Hives	5
9	Alastair Fothergill	4
10	Brick + Mortar	4
11	David Attenborough	4
12	Duckwrth	4
13	FIDLAR	4
14	Foster The People	4
15	grandson	4
16	K.Fløy	4
17	Leoniden	4
18	Logic	4
19	The Neighbourhood	4
20	Albert Hammond Jr	3

/* Get Movies with the size of starring Cast, ordered alphabetically */

```
SELECT ContentName,
COUNT(*) AS [Starring Actor Amount]
FROM ViewContentPeople
WHERE ContentType = 'Movie'
GROUP BY ContentName
ORDER BY ContentName
```

	ContentName	Starring Actor Amount
1	A Bridge Too Far	15
2	Across the Universe	9
3	Beowulf	10
4	Big Miracle	11
5	Bill Burr: Paper Tiger	2
6	Black Hawk Down	21
7	Candyman	9
8	Dances with Wolves	11
9	David Attenborough: A Lif	4
10	Extraction	9
11	Furthest Witness	11
12	Goosebumps 2: Haunted Hal	8
13	Hairspray	13
14	How the Beatles Changed t	6
15	Inception	13
16	Mary Poppins Returns	12
17	No Strings Attached	12
18	Platoon	11
19	Revolutionary Road	12
20	Rize	3

```

/* Get Musics with same tempo, ordered by increasing amount */
SELECT Tempo, COUNT(*) AS Amount FROM Music
INNER JOIN Content
ON Music.ContentID = Content.ContentID
GROUP BY Tempo
ORDER BY Tempo

```

	Tempo	Amount
1	75	1
2	80	2
3	81	1
4	82	2
5	83	1
6	84	1
7	85	5
8	86	1
9	87	1
10	89	1
11	91	2
12	93	1
13	94	2
14	95	3
15	96	1
16	97	4
17	98	2
18	99	1
19	100	2
20	101	1

/* Get Content in Lists, ordered by UserID first then ListID */

```
SELECT ListID, UserID, ListName, ContentName FROM ViewListContent
ORDER BY UserID, ListID
```

	ListID	UserID	ListName	ContentName
1	LST004	USR00054	Indie	Bitin' the Bullet
2	LST004	USR00054	Indie	Borderlines and Aliens
3	LST004	USR00054	Indie	Breezeblocks
4	LST004	USR00054	Indie	Colours
5	LST004	USR00054	Indie	Deadline
6	LST004	USR00054	Indie	Deleter
7	LST004	USR00054	Indie	Didn't Have to Go
8	LST004	USR00054	Indie	didya think
9	LST004	USR00054	Indie	Do You Love Someone
10	LST004	USR00054	Indie	Hayloft
11	LST004	USR00054	Indie	Hippy Hill
12	LST004	USR00054	Indie	I Can't Handle Change
13	LST004	USR00054	Indie	I Dare You
14	LST004	USR00054	Indie	I'm with You
15	LST004	USR00054	Indie	Inside Out
16	LST004	USR00054	Indie	Itchin' on a Photograph
17	LST004	USR00054	Indie	Left Hand Free
18	LST004	USR00054	Indie	Monday
19	LST004	USR00054	Indie	Raspberry
20	LST004	USR00054	Indie	redesign

/* Get the amount of Content in the Lists, ordered by increasing amount */

```
SELECT ListID, COUNT(*) AS Amount FROM ViewListContent
GROUP BY ListID
ORDER BY Amount
```

	ListID	Amount
1	LST006	8
2	LST002	11
3	LST003	13
4	LST004	25
5	LST005	25
6	LST001	56

```
/* Get the Users with both FirstName and LastName starting with A */
```

```
SELECT * FROM Users
```

```
WHERE FirstName LIKE 'A%' AND LastName LIKE 'A%'
```

	UserID	UserName	FirstName	LastName	Email	UserPassword	ProfilePicture	ProfileVisibility	CreateDate	Status
1	USR00804	cole.valerie	Antwan	Armstrong	tamia.boyer@yahoo.com	56f130efb62fb9b6b116d493b18fcad778bfc3f0	NULL	0	2021-02-10	1
2	USR51377	vvisoky	Alexander	Auer	thompson.frederic@yahoo.com	a6fc8e40c141b25b202b35318936ca19cab47709	NULL	0	2021-03-29	1

```
/* Get the celebrities with more than three names */
```

```
SELECT * FROM People
```

```
WHERE PeopleName LIKE '% % %'
```

	PeopleID	PeopleName	ProfilePicture	PeopleType
1	ACT00010	Jesse L. Martin	NULL	Actor
2	ACT00043	Ernest R. Dickerson	NULL	Actor
3	ACT00047	Cuba Gooding Jr.	NULL	Actor
4	ACT00077	Gian Franco Rodriguez	NULL	Actor
5	ACT00083	Mary Beth Peil	NULL	Actor
6	ACT00117	Owen Patrick Joyner	NULL	Actor
7	ACT00121	Savannah Lee May	NULL	Actor
8	ACT00132	Paul Sun-Hyung Lee	NULL	Actor
9	ACT00134	Christian Dal Dosso	NULL	Actor
10	ACT00171	David St. Louis	NULL	Actor
11	ACT00189	Damian Nueva Cortes	NULL	Actor
12	ACT00197	Emily Bett Rickards	NULL	Actor
13	ACT00217	Jada Pinkett Smith	NULL	Actor
14	ACT00221	Robin Lord Taylor	NULL	Actor
15	ACT00222	Cory Michael Smith	NULL	Actor
16	ACT00277	Billy Bob Thompson	NULL	Actor
17	ACT00283	Alyson Leigh Rosenfeld	NULL	Actor
18	ACT00303	Nora von Waldstätten	NULL	Actor
19	ACT00314	Joel de la Fuente	NULL	Actor
20	ACT00334	Luis Ernesto Franco	NULL	Actor

```
/* Get the Directors and Actors, ordered alphabetically */
```

```
SELECT PeopleID, FirstName, MiddleName, LastName FROM Director
UNION
```

```
SELECT PeopleID, FirstName, MiddleName, LastName FROM Actor
ORDER BY FirstName
```


	PeopleID	FirstName	MiddleName	LastName
1	ACT00324	Aaron	NULL	Douglas
2	ACT00625	Aaron	NULL	Stanford
3	ACT00727	Aaron	NULL	Eckhart
4	ACT00284	Abe	NULL	Goldfarb
5	ACT00148	Adam	NULL	Tsekhman
6	DIR00024	Adam	Del	Giudice
7	DIR00026	Adam	NULL	Shankman
8	ACT00183	Adil	NULL	Dehbi
9	ACT00067	Adrian	NULL	Lukis
10	ACT00169	Adrian	NULL	Pasdar
11	ACT00203	Adrian	NULL	Holmes
12	ACT00385	Adrian	NULL	Lester
13	ACT00696	Alan	NULL	Rickman
14	DIR00068	Alan	NULL	Poul
15	DIR00012	Alastair	NULL	Fothergill
16	ACT00388	Alberto	NULL	Ammann
17	ACT00340	Alex	NULL	Price
18	ACT00742	Alex	NULL	Kaluzhsky
19	ACT00093	Alexa	NULL	Torrington
20	ACT00161	Alexander	NULL	Calvert

```

/* Get the Users with Follower count higher than 50 and lower than 100 */
SELECT FollowerID, COUNT(*) AS Amount
FROM Follows
GROUP BY FollowerID
HAVING COUNT(*) > 50 AND COUNT(*) < 100

```

	FollowerID	Amount
1	USR00081	89
2	USR00430	58
3	USR00432	59
4	USR00444	68
5	USR00625	51
6	USR00804	82
7	USR01626	91
8	USR01793	61
9	USR01953	69
10	USR01980	82
11	USR02112	85
12	USR02138	64
13	USR02169	57
14	USR02233	60
15	USR02477	87
16	USR02723	90
17	USR03066	92
18	USR03214	69
19	USR03993	71
20	USR04029	89

```
/* Get the Directors that are also Actors */  
SELECT FirstName, MiddleName, LastName  
FROM Director  
INTERSECT  
SELECT FirstName, MiddleName, LastName  
FROM Actor
```

	FirstName	MiddleName	LastName
1	Frank	NULL	Oz
2	Kevin	NULL	Costner
3	Jim	NULL	Henson
4	Oliver	NULL	Stone
5	Jerry	NULL	Seinfeld