

# **DATABASE PROJECT**

Project Name : Movie Management Database

## **Group members:**

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## **DESCRIPTION OF PROJECT:**

We created a database for a movie, including movies, actors, directors and studios. The database allows users to search for movies, make movie ratings and make recommendations.

## **PHYSICAL DATABASE DESIGN**

### **SCENARIO:**

It is necessary to develop a movie management database where people who want to watch movies on a local movie site log in with their user information and contain more than one movie.

The entities and relationships to be found in the database are requested and are as follows; Film, Film\_Photo, Actor, Film\_Actor, Genre, Film\_Genre, Country, Film\_Country, Users, Film\_Comment, Actor\_Comment.

- Movie title, scenarist, director, release date and IMDB rating.
- Film photo address, type and id number optionally resolutions.
- Actor's name, surname, date of birth, actor's photo, actor's resume, actor's awards, and optionally actor's social media links.
- Movie Actor movie id number, actor id number, star actors playing in the movie, actor's role and optionally his salary.
- Genre Name of the genre and description of the genre (every movie should have a genre after that.)
- Movie\_Genre is the movie id number, and optionally subgenres.
- Country name, optionally its population and official language.
- Movie country movie id number country id number, optionally language and rating board.
- Users name, surname, nickname, e-mail, password and optionally date of birth and gender.
- Movie comment user id number, movie id number, comments made by users, and comment dates.
- Actor comment actor id number, user id number, comments written by users about actors and optionally rating.

### **RELATIONSHIP:**

- A movie can have many movie\_photos.
- An actor can have many movie\_actor relationships.
- A movie can have many movie\_actor relationships.
- A movie can have many genres and a genre can belong to many movies.
- A movie can only have one movie\_country and a country can have many movies.
- Users can write many movie\_comments and a movie can have many movie\_comments.
- Users can write many actor\_comments and an actor can have many actor\_comments.
- Users can have many movie\_comments and actor\_comments.
- A movie\_comment belongs to one movie and is written by one user.
- An actor\_comment belongs to one actor and is written by one user.

## ENTITIES & ATTRIBUTES:

Movie	
PK	<u>UniquelD</u>
*	Movie_Name
*	Scenarist
*	Director
*	Movie_Poster
*	Movie_Explanation
*	Movie_Presentation_Date
*	Movie_IMDB_Score
o	Budget
o	Trailer_Link

Movie_Photo	
PK	<u>UniquelD</u>
FK	Movie_ID
*	Address
o	Type
o	Resulotion

Actor	
PK	<u>UniquelD</u>
*	Name
*	Surname
*	Actor_Photograph
*	Birth_Date
*	Actor_Resume
o	Nationality
o	Awards
o	Height
o	Social_Media_Link

Actor_Movie	
PK	<u>UniquelD</u>
FK	Movie_ID
FK	Actor_ID
*	Movie_Actor_Starring
o	Role
o	Salary

Genre	
PK	<u>UniquelD</u>
*	Name
o	Description

Movie_Genre	
PK	<u>UniquelD</u>
FK	Movie_ID
FK	Genre_ID
o	Sub_Genre

Country	
PK	<u>UniquelD</u>
*	Country_Name
o	Population
o	Official_Language

Movie_Country	
PK	<u>UniquelD</u>
FK	Movie_ID
FK	Country_ID
o	Language
o	Rating_Board

Users	
PK	<u>UniquelD</u>
*	User_Name
*	User_Surname
*	User_Nickname
*	User_Mail
*	User_Password
o	Birth_Date
o	Gender

Movie_Comment	
PK	<u>UniquelD</u>
FK	Movie_ID
FK	Users_ID
*	Comments
*	Comments_Date
o	Rating

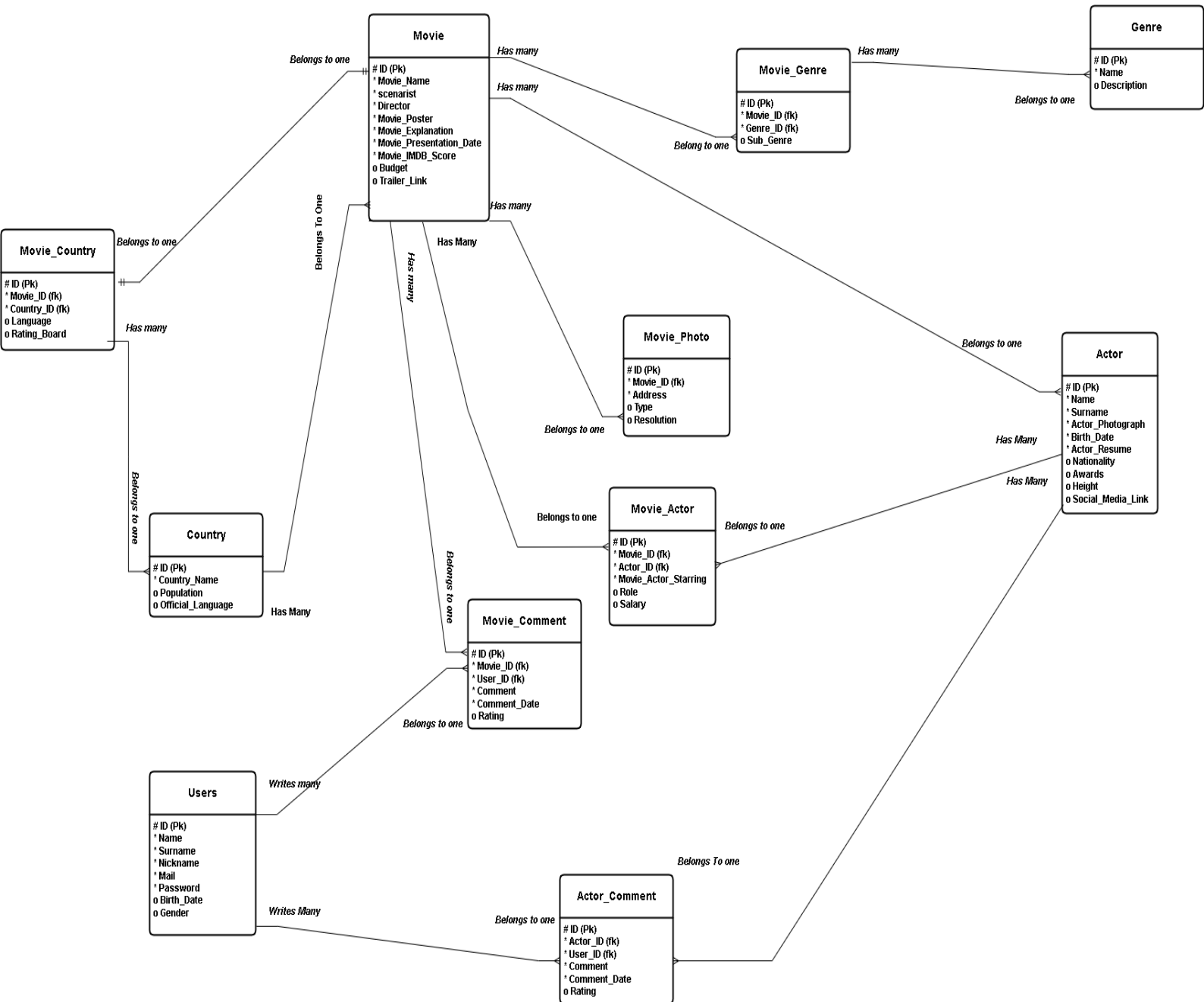
Actor_Comment	
PK	<u>UniquelD</u>
FK	Actor_ID
FK	Users_ID
*	Comments
*	Comments_Date
o	Rating

MATRIX DIAGRAM:

	Movie	Movie Photo	Actor	Movie Actor	Genre	Movie Genre	Country	Movie Country	User	Movie Comment	Actor Comment
Movie		Has many		Has many		Has Many		Belongs To one		Has many	
Movie Photo	Belongs To one										
Actor				Has many							Has many
Movie Actor	Belongs To one										
Genre						Has many					
Movie Genre	Belongs To one				Belongs to one						
Country								Has many			
Movie Country	Belongs To one						Belongs To one				
User										Writes many	Writes many
Movie Comment	Belongs to one								Belongs to one		
Actor Comment			Belongs to one						Belongs to one		

Matrix Diagram

### ERD DIAGRAM:



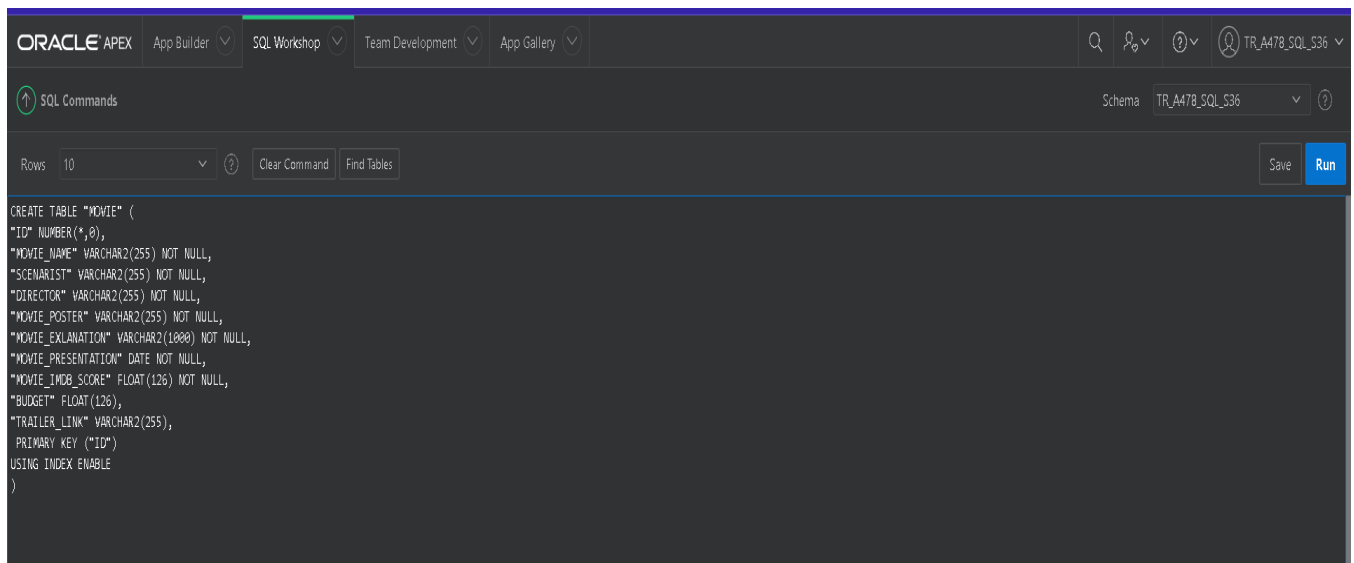
# SQL QUERIES

## 1)SQL Creating Tables:

We will create tables for a movie database including Movie, Movie\_Photo, Actor, Movie\_Actor, Genre, Movie\_Genre, Country, Movie\_Country, Users, Movie\_Comment, and Actor\_Comment.

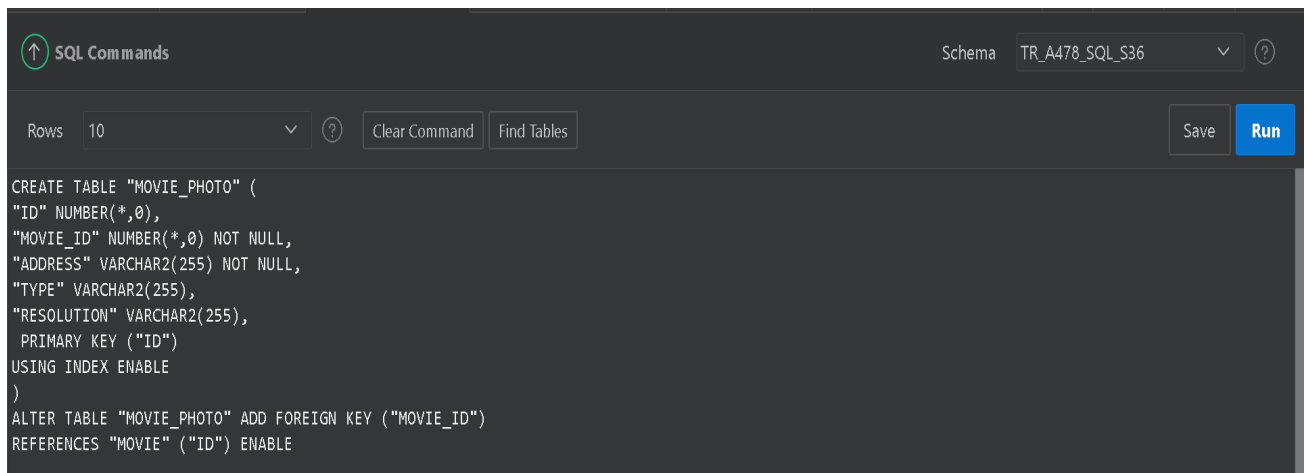
### 1.1)Creating Movie Table;

The Movie table includes columns for ID, Movie\_Name, Scenarist, Director, Movie\_Poster, Movie\_Explanation, Movie\_Presentation\_Date, Movie\_IMDB\_Score, Budget, and Trailer\_Link. With the ID column as primary key.

The screenshot shows the Oracle APEX SQL Workshop interface. At the top, there are tabs for 'App Builder', 'SQL Workshop', 'Team Development', and 'App Gallery'. The 'SQL Workshop' tab is active. Below the tabs, there's a search bar and a schema dropdown set to 'TR\_A478\_SQL\_S36'. The main area displays the SQL command to create the 'MOVIE' table. The command includes columns for ID (primary key), MOVIE\_NAME, SCENARIST, DIRECTOR, MOVIE\_POSTER, MOVIE\_EXPLANATION, MOVIE\_PRESENTATION\_DATE, MOVIE\_IMDB\_SCORE, BUDGET, and TRAILER\_LINK. The interface also shows a 'Rows' dropdown set to 10, and buttons for 'Clear Command', 'Find Tables', 'Save', and 'Run'.

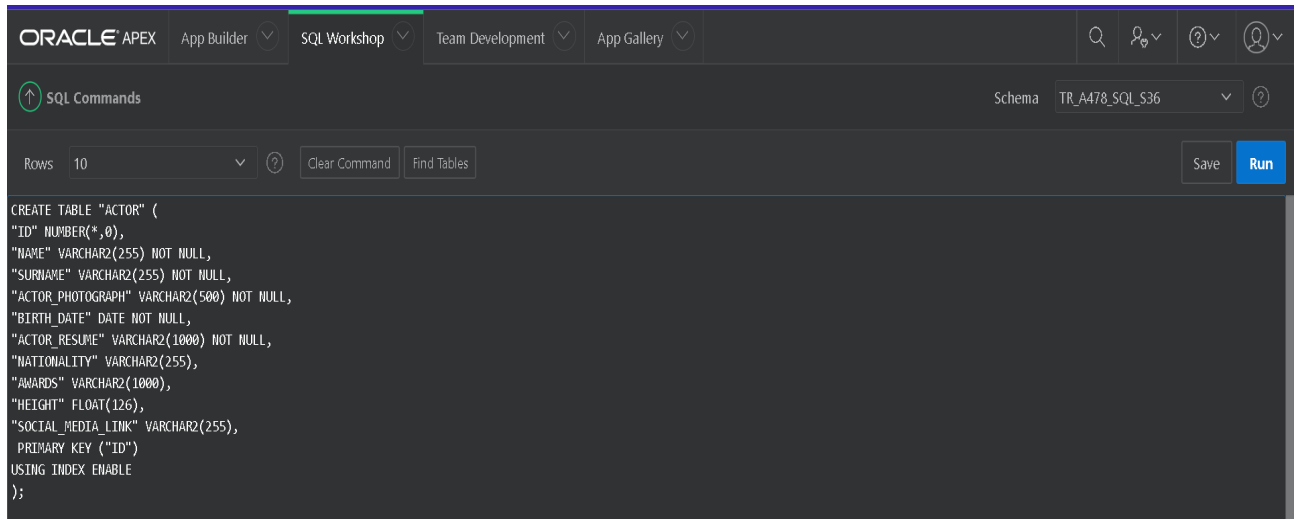
### 1.2)Creating Movie\_Photo Table;

The Movie\_Photo table includes columns for ID, Movie\_ID, Address, Type, and Resolution with foreign keys referencing the movie table and the ID column as the primary key.

The screenshot shows the Oracle APEX SQL Workshop interface. At the top, there are tabs for 'App Builder', 'SQL Workshop', 'Team Development', and 'App Gallery'. The 'SQL Workshop' tab is active. Below the tabs, there's a search bar and a schema dropdown set to 'TR\_A478\_SQL\_S36'. The main area displays the SQL command to create the 'MOVIE\_PHOTO' table. The command includes columns for ID (primary key), MOVIE\_ID (foreign key), ADDRESS, TYPE, and RESOLUTION. It also includes an ALTER TABLE statement to add a foreign key constraint for MOVIE\_ID referencing the MOVIE table. The interface also shows a 'Rows' dropdown set to 10, and buttons for 'Clear Command', 'Find Tables', 'Save', and 'Run'.

### 1.3)Creating Actor Table;

The Actor table includes columns ID, Name, Surname, Actor\_Photograph, Birth\_Date, Actor\_Resume, Nationality, Awards, Height, and Social\_Media\_Link. With the ID column as the primary key.

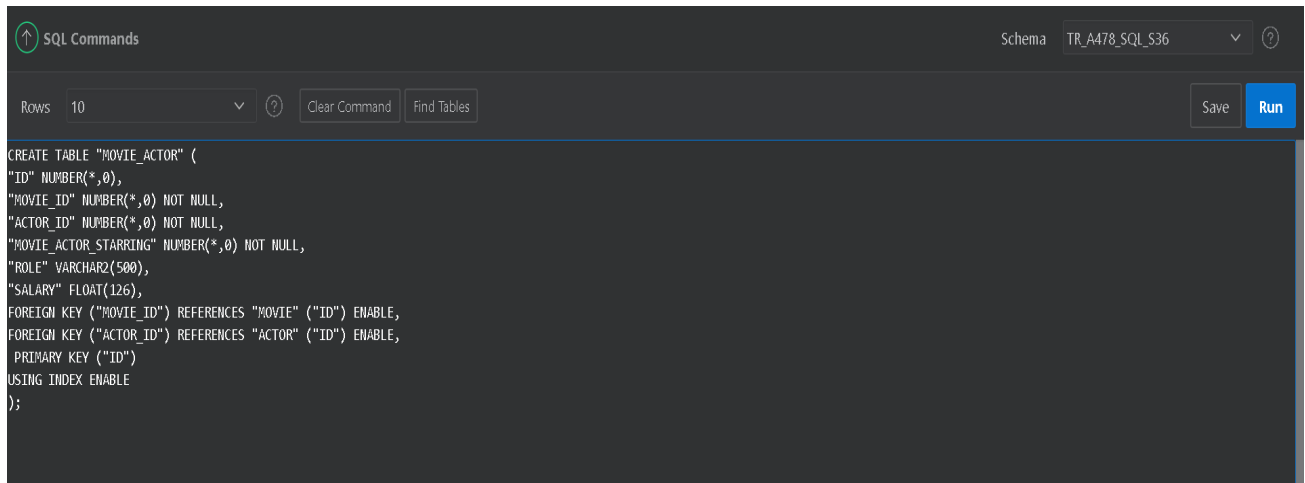


The screenshot shows the Oracle APEX SQL Workshop interface. The top navigation bar includes 'ORACLE APEX', 'App Builder', 'SQL Workshop' (selected), 'Team Development', and 'App Gallery'. The 'SQL Commands' tab is active, displaying a SQL command to create the 'ACTOR' table. The schema is set to 'TR\_A478\_SQL\_S36'. The command is as follows:

```
CREATE TABLE "ACTOR" (  
  "ID" NUMBER(*,0),  
  "NAME" VARCHAR2(255) NOT NULL,  
  "SURNAME" VARCHAR2(255) NOT NULL,  
  "ACTOR_PHOTOGRAPH" VARCHAR2(500) NOT NULL,  
  "BIRTH_DATE" DATE NOT NULL,  
  "ACTOR_RESUME" VARCHAR2(1000) NOT NULL,  
  "NATIONALITY" VARCHAR2(255),  
  "AWARDS" VARCHAR2(1000),  
  "HEIGHT" FLOAT(126),  
  "SOCIAL_MEDIA_LINK" VARCHAR2(255),  
  PRIMARY KEY ("ID")  
 USING INDEX ENABLE  
);
```

### 1.4)Creating Movie\_Actor Table;

The Movie\_Actor table includes columns ID, Movie\_ID, Actor\_ID, Movie\_Actor\_Starring, Role, and Salary. With foreign key referencing the Movie and Actor tables and the ID column as the primary key.

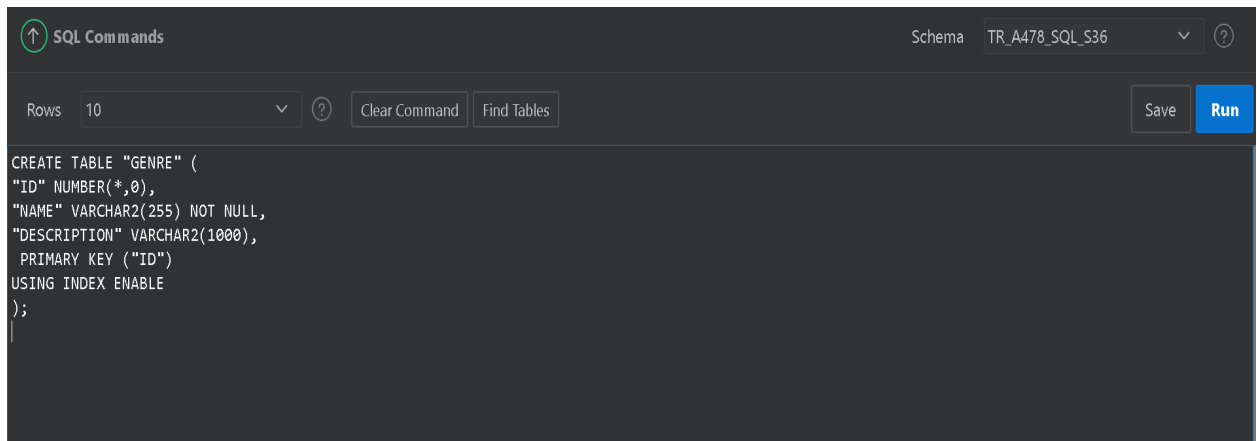


The screenshot shows the Oracle APEX SQL Workshop interface. The top navigation bar includes 'ORACLE APEX', 'App Builder', 'SQL Workshop' (selected), 'Team Development', and 'App Gallery'. The 'SQL Commands' tab is active, displaying a SQL command to create the 'MOVIE\_ACTOR' table. The schema is set to 'TR\_A478\_SQL\_S36'. The command is as follows:

```
CREATE TABLE "MOVIE_ACTOR" (  
  "ID" NUMBER(*,0),  
  "MOVIE_ID" NUMBER(*,0) NOT NULL,  
  "ACTOR_ID" NUMBER(*,0) NOT NULL,  
  "MOVIE_ACTOR_STARRING" NUMBER(*,0) NOT NULL,  
  "ROLE" VARCHAR2(500),  
  "SALARY" FLOAT(126),  
  FOREIGN KEY ("MOVIE_ID") REFERENCES "MOVIE" ("ID") ENABLE,  
  FOREIGN KEY ("ACTOR_ID") REFERENCES "ACTOR" ("ID") ENABLE,  
  PRIMARY KEY ("ID")  
 USING INDEX ENABLE  
);
```

### 1.5)Creating Genre Table;

The Genre table include columns ID, Name, and Description .With the ID column as the primary key.

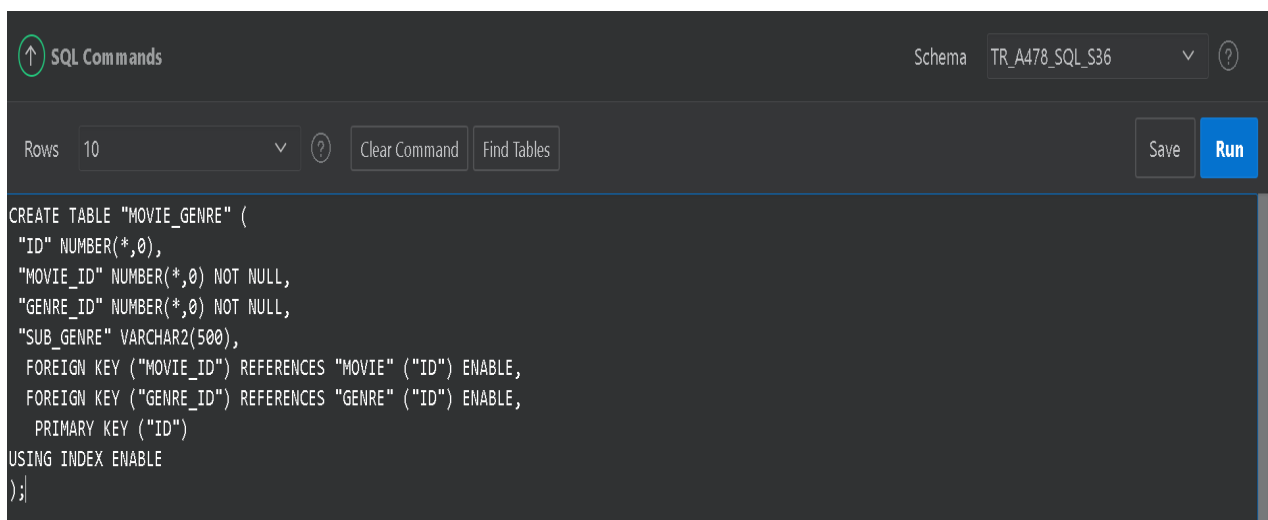


The screenshot shows a SQL interface with a dark theme. At the top, there's a header bar with 'SQL Commands' on the left, 'Schema' and 'TR\_A478\_SQL\_S36' on the right, and a help icon. Below the header, there's a toolbar with 'Rows' set to '10', a 'Clear Command' button, a 'Find Tables' button, a 'Save' button, and a 'Run' button. The main area contains the following SQL code:

```
CREATE TABLE "GENRE" (  
  "ID" NUMBER(*,0),  
  "NAME" VARCHAR2(255) NOT NULL,  
  "DESCRIPTION" VARCHAR2(1000),  
  PRIMARY KEY ("ID")  
  USING INDEX ENABLE  
);  
|
```

### 1.6)Creatng Movie\_Genre Table;

The Movie\_Genre table includes columns ID, Movie\_ID, Genre\_ID, and Sub-Genre. With foreign key referencing Movie and Genre tables and the ID columns as the primary key.



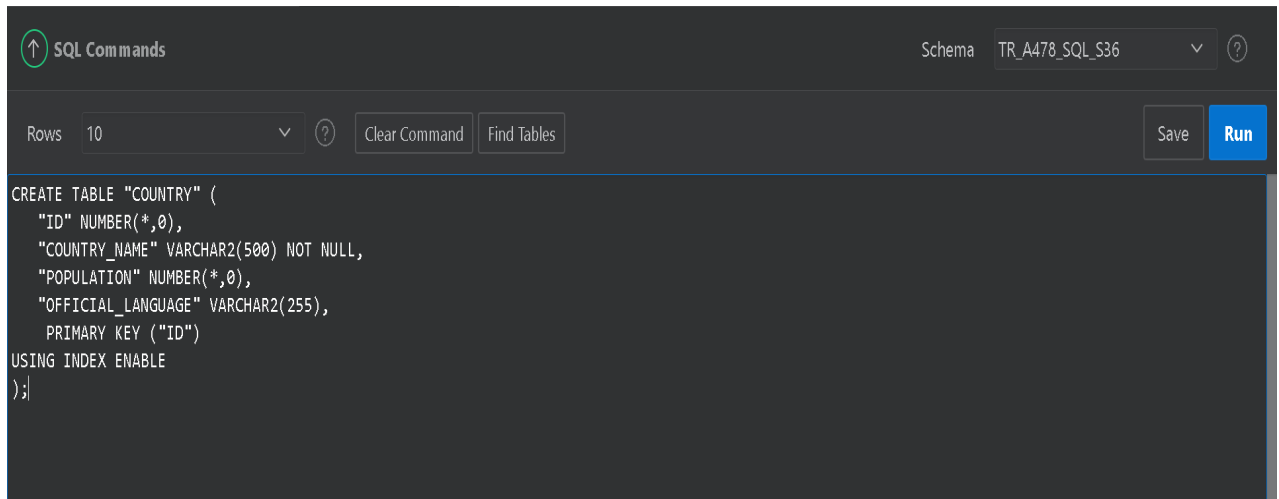
The screenshot shows the same SQL interface as above. The main area contains the following SQL code:

```
CREATE TABLE "MOVIE_GENRE" (  
  "ID" NUMBER(*,0),  
  "MOVIE_ID" NUMBER(*,0) NOT NULL,  
  "GENRE_ID" NUMBER(*,0) NOT NULL,  
  "SUB_GENRE" VARCHAR2(500),  
  FOREIGN KEY ("MOVIE_ID") REFERENCES "MOVIE" ("ID") ENABLE,  
  FOREIGN KEY ("GENRE_ID") REFERENCES "GENRE" ("ID") ENABLE,  
  PRIMARY KEY ("ID")  
  USING INDEX ENABLE  
);  
|
```



### 1.7)Creating Country Table;

The Country table includes columns ID, Country\_Name, Population, and Official\_Language. With the ID column as primary key.

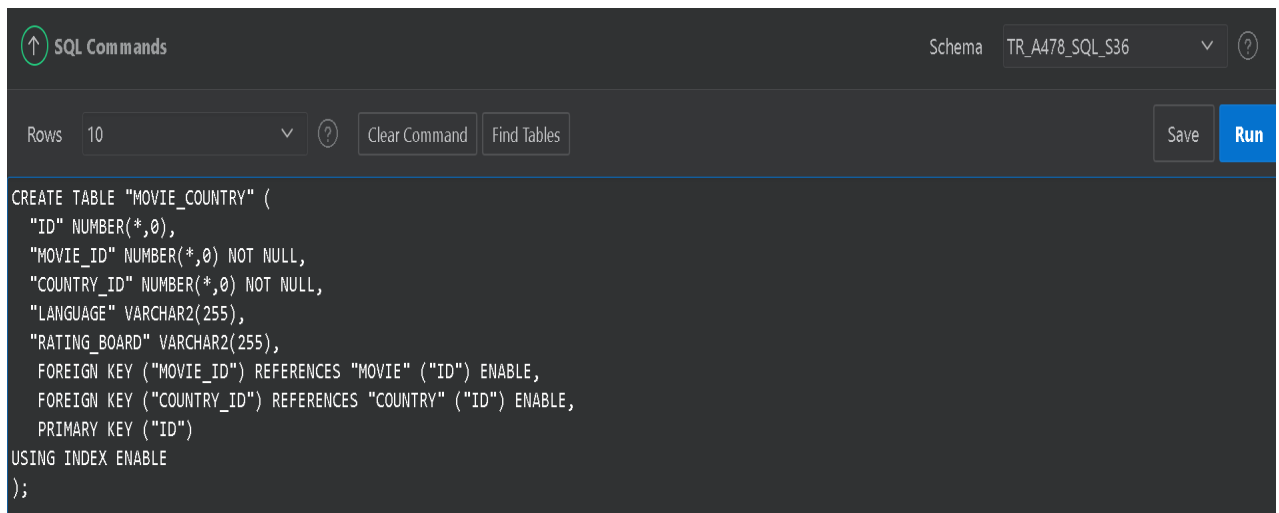


The screenshot shows the SQL Developer interface with the 'SQL Commands' tab selected. The schema is set to 'TR\_A478\_SQL\_S36'. The 'Rows' dropdown is set to '10'. The 'Clear Command' and 'Find Tables' buttons are visible. The SQL command entered is:

```
CREATE TABLE "COUNTRY" (  
  "ID" NUMBER(*,0),  
  "COUNTRY_NAME" VARCHAR2(500) NOT NULL,  
  "POPULATION" NUMBER(*,0),  
  "OFFICIAL_LANGUAGE" VARCHAR2(255),  
  PRIMARY KEY ("ID")  
  USING INDEX ENABLE  
);
```

### 1.8)Creating Movie\_Country Table;

The Movie\_Country table includes columns ID, Movie\_ID, Country\_ID, Language, and Rating\_Board. With foreign keys referencing the Movie and Country tables and the ID column as the primary key.

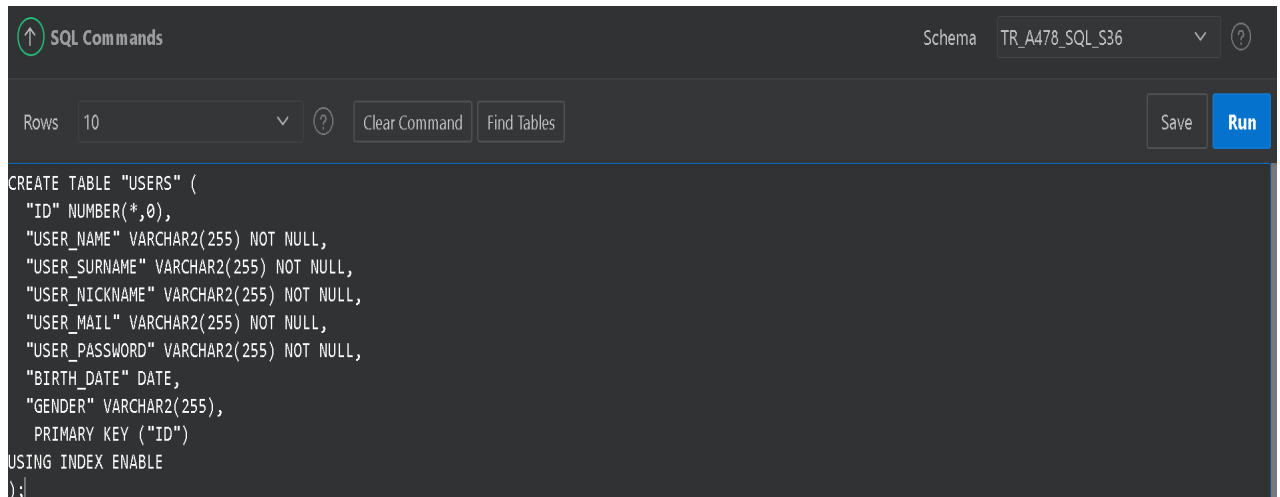


The screenshot shows the SQL Developer interface with the 'SQL Commands' tab selected. The schema is set to 'TR\_A478\_SQL\_S36'. The 'Rows' dropdown is set to '10'. The 'Clear Command' and 'Find Tables' buttons are visible. The SQL command entered is:

```
CREATE TABLE "MOVIE_COUNTRY" (  
  "ID" NUMBER(*,0),  
  "MOVIE_ID" NUMBER(*,0) NOT NULL,  
  "COUNTRY_ID" NUMBER(*,0) NOT NULL,  
  "LANGUAGE" VARCHAR2(255),  
  "RATING_BOARD" VARCHAR2(255),  
  FOREIGN KEY ("MOVIE_ID") REFERENCES "MOVIE" ("ID") ENABLE,  
  FOREIGN KEY ("COUNTRY_ID") REFERENCES "COUNTRY" ("ID") ENABLE,  
  PRIMARY KEY ("ID")  
  USING INDEX ENABLE  
);
```

### 1.9)Creating Users Table;

The Users table includes columns ID, User\_Name, User\_Surname, User\_Nickname, User\_Mail, User\_Password, Birth\_Date, and Gender. With the ID column as primary key.

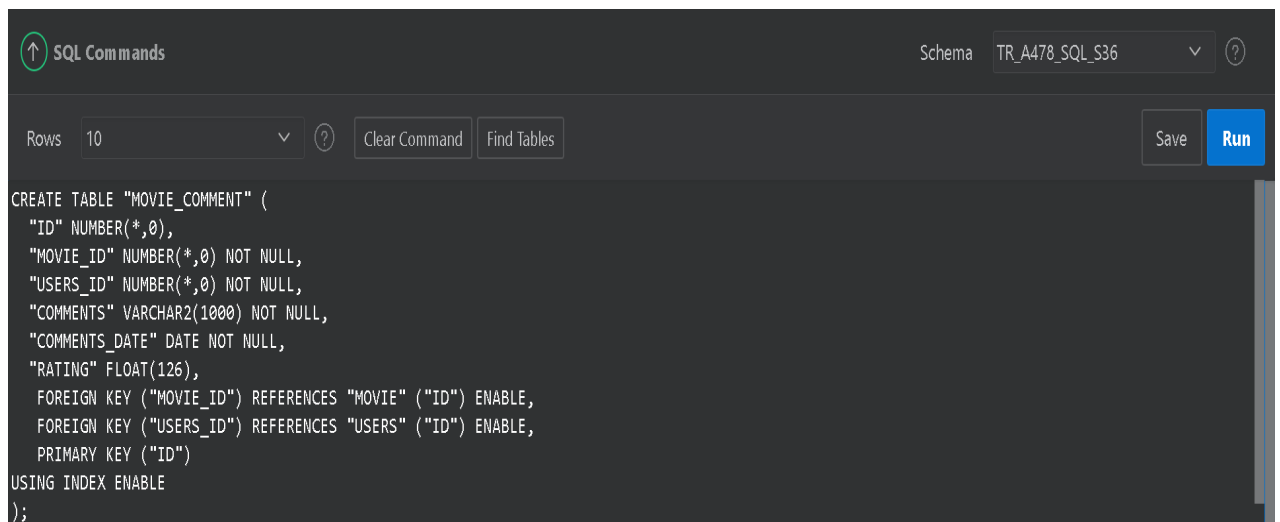


The screenshot shows a SQL interface with a dark theme. At the top, there's a header bar with 'SQL Commands' on the left and 'Schema TR\_A478\_SQL\_S36' on the right. Below the header, there's a toolbar with 'Rows' set to 10, a 'Clear Command' button, a 'Find Tables' button, a 'Save' button, and a 'Run' button. The main area contains the following SQL code:

```
CREATE TABLE "USERS" (  
  "ID" NUMBER(*,0),  
  "USER_NAME" VARCHAR2(255) NOT NULL,  
  "USER_SURNAME" VARCHAR2(255) NOT NULL,  
  "USER_NICKNAME" VARCHAR2(255) NOT NULL,  
  "USER_MAIL" VARCHAR2(255) NOT NULL,  
  "USER_PASSWORD" VARCHAR2(255) NOT NULL,  
  "BIRTH_DATE" DATE,  
  "GENDER" VARCHAR2(255),  
  PRIMARY KEY ("ID")  
)  
USING INDEX ENABLE  
);
```

### 1.10)Creating Movie\_Comment Table;

The Movie\_Comment table includes columns ID, Movie\_ID, Users\_ID, Comments, Comments\_Date, and Rating. With foreign keys referencing the Movie and Users tables and the ID column as the primary key.

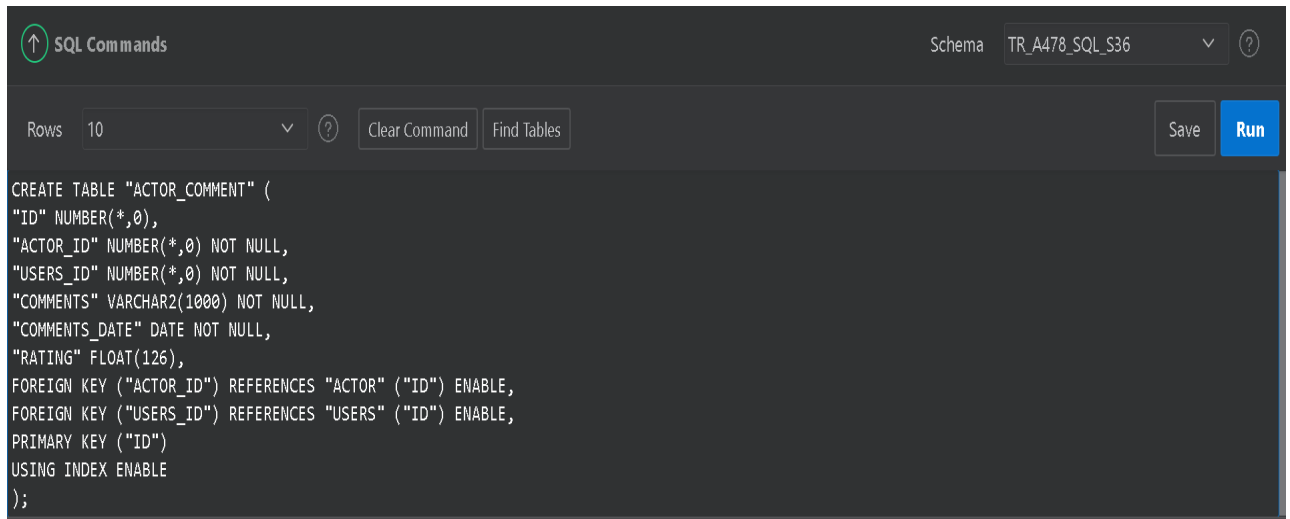


The screenshot shows a SQL interface with a dark theme. At the top, there's a header bar with 'SQL Commands' on the left and 'Schema TR\_A478\_SQL\_S36' on the right. Below the header, there's a toolbar with 'Rows' set to 10, a 'Clear Command' button, a 'Find Tables' button, a 'Save' button, and a 'Run' button. The main area contains the following SQL code:

```
CREATE TABLE "MOVIE_COMMENT" (  
  "ID" NUMBER(*,0),  
  "MOVIE_ID" NUMBER(*,0) NOT NULL,  
  "USERS_ID" NUMBER(*,0) NOT NULL,  
  "COMMENTS" VARCHAR2(1000) NOT NULL,  
  "COMMENTS_DATE" DATE NOT NULL,  
  "RATING" FLOAT(126),  
  FOREIGN KEY ("MOVIE_ID") REFERENCES "MOVIE" ("ID") ENABLE,  
  FOREIGN KEY ("USERS_ID") REFERENCES "USERS" ("ID") ENABLE,  
  PRIMARY KEY ("ID")  
)  
USING INDEX ENABLE  
);
```

## 1.11)Creating Actor\_Comment Table;

The Actor\_Comment table includes columns ID, Actor\_ID, Users\_ID, Comments, Comments\_Date, and Rating. With foreign keys referencing Actor and Users tables and the ID column as the primary key.

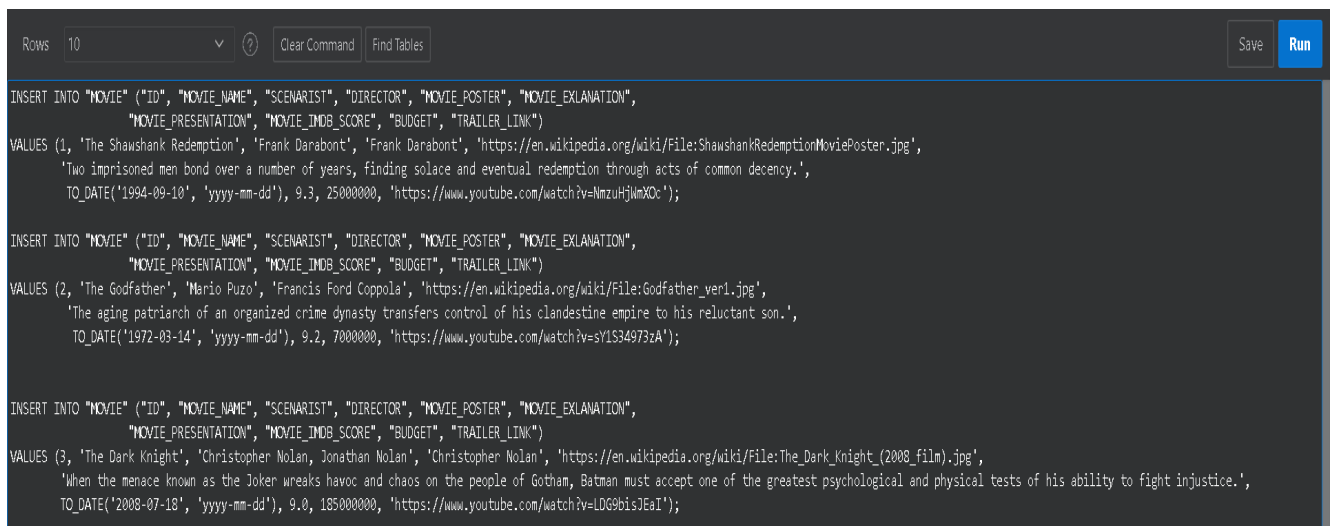


```
SQL Commands
Schema: TR_A478_SQL_S36
Rows: 10
Clear Command Find Tables Save Run

CREATE TABLE "ACTOR_COMMENT" (
  "ID" NUMBER(*,0),
  "ACTOR_ID" NUMBER(*,0) NOT NULL,
  "USERS_ID" NUMBER(*,0) NOT NULL,
  "COMMENTS" VARCHAR2(1000) NOT NULL,
  "COMMENTS_DATE" DATE NOT NULL,
  "RATING" FLOAT(126),
  FOREIGN KEY ("ACTOR_ID") REFERENCES "ACTOR" ("ID") ENABLE,
  FOREIGN KEY ("USERS_ID") REFERENCES "USERS" ("ID") ENABLE,
  PRIMARY KEY ("ID")
  USING INDEX ENABLE
);
```

## 2)SQL INSERTING VALUES:

### 2.1)Inserting Values In Movie Table;



```
SQL Commands
Schema: TR_A478_SQL_S36
Rows: 10
Clear Command Find Tables Save Run

INSERT INTO "MOVIE" ("ID", "MOVIE_NAME", "SCENARIST", "DIRECTOR", "MOVIE_POSTER", "MOVIE_EXPLANATION",
  "MOVIE_PRESENTATION", "MOVIE_IMDB_SCORE", "BUDGET", "TRAILER_LINK")
VALUES (1, 'The Shawshank Redemption', 'Frank Darabont', 'Frank Darabont', 'https://en.wikipedia.org/wiki/File:ShawshankRedemptionMoviePoster.jpg',
  'Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.',
  TO_DATE('1994-09-10', 'yyyy-mm-dd'), 9.3, 25000000, 'https://www.youtube.com/watch?v=NmzuHjWmXOc');

INSERT INTO "MOVIE" ("ID", "MOVIE_NAME", "SCENARIST", "DIRECTOR", "MOVIE_POSTER", "MOVIE_EXPLANATION",
  "MOVIE_PRESENTATION", "MOVIE_IMDB_SCORE", "BUDGET", "TRAILER_LINK")
VALUES (2, 'The Godfather', 'Mario Puzo', 'Francis Ford Coppola', 'https://en.wikipedia.org/wiki/File:Godfather_ver1.jpg',
  'The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.',
  TO_DATE('1972-03-14', 'yyyy-mm-dd'), 9.2, 7000000, 'https://www.youtube.com/watch?v=sYIS34973zA');

INSERT INTO "MOVIE" ("ID", "MOVIE_NAME", "SCENARIST", "DIRECTOR", "MOVIE_POSTER", "MOVIE_EXPLANATION",
  "MOVIE_PRESENTATION", "MOVIE_IMDB_SCORE", "BUDGET", "TRAILER_LINK")
VALUES (3, 'The Dark Knight', 'Christopher Nolan, Jonathan Nolan', 'Christopher Nolan', 'https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg',
  'When the menace known as the Joker wreaks havoc and chaos on the people of Gotham, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice.',
  TO_DATE('2008-07-18', 'yyyy-mm-dd'), 9.0, 185000000, 'https://www.youtube.com/watch?v=LDG9bisJEaI');
```

## 2.2)Inserting Values In Movie\_Photo Table;

```
SQL Commands Schema TR_A478_SQL_S36

Rows 10 ? Clear Command Find Tables Save Run

INSERT INTO "MOVIE_PHOTO"("ID", "MOVIE_ID", "ADDRESS", "TYPE", "RESOLUTION")
VALUES(1,1, 'https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Mansfield_OH_-_Reformatory_-_Closed.jpg/330px-Mansfield_OH_-_Reformatory_-_Closed.jpg',
      'Landscape', '1920x1080');

INSERT INTO "MOVIE_PHOTO"("ID", "MOVIE_ID", "ADDRESS", "TYPE", "RESOLUTION")
VALUES(2,2, 'https://en.wikipedia.org/wiki/File:NYC_-_New_York_County_Supreme_Courthouse.jpg',
      'Portrait', '1024x768');

INSERT INTO "MOVIE_PHOTO"("ID", "MOVIE_ID", "ADDRESS", "TYPE", "RESOLUTION")
VALUES(3,3, 'https://en.wikipedia.org/wiki/File:Navy_Pier_Summer.jpg',
      'Landscape', '1920x1080');
```

## 2.3)Inserting Values In Actor Table;

```
Rows 10 ? Clear Command Find Tables Save Run

INSERT INTO "ACTOR" ("ID", "NAME", "SURNAME", "ACTOR_PHOTOGRAPH", "BIRTH_DATE", "ACTOR_RESUME", "NATIONALITY", "AWARDS", "HEIGHT", "SOCIAL_MEDIA_LINK")
VALUES (1, 'Tim', 'Robbins', 'https://www.google.com/search?xsrf=APwXEdf-mmSpGH08Edc4UKN-vb4TRVKAa:1683718076496&q=Tim+Robbins&stick=H4sIAAAAAAAAOlgFuLQz9U3Ww_KK1H1BLEH94q%zbSEsp0t9Myc3LBhFyYnHJlIbukIxcbaD8pKTHv0IdrIwABSnUyZwAAAA&sa=X&ved=2ahUKEwiUvOf00ur-AhX8Q_EDHctxAf0Qg0QRegQIPRAG', TO_DATE('1958-10-16', 'YYYY-MM-DD'), 'Tim Robbins is an American actor, screenwriter, director, producer, and musician.', 'American', 'Academy Award for Best Supporting Actor for his role in "Mystic River"', 194.0, 'https://twitter.com/timrobbins1');

INSERT INTO "ACTOR" ("ID", "NAME", "SURNAME", "ACTOR_PHOTOGRAPH", "BIRTH_DATE", "ACTOR_RESUME", "NATIONALITY", "AWARDS", "HEIGHT", "SOCIAL_MEDIA_LINK")
VALUES (2, 'Al', 'Pacino', 'https://www.google.com/imgres?imgurl=https%3A%3F%2Ff10.wp.com%2Fwww.filmr.com%2Fwp-content%2Fuploads%2F2020%2F08%2Fslsw9Dtj4mKL8aPmCrh384p9Xhq.jpg%3Ffifc3D1000%252C1500%26ss1%3D1&tbnid=2QR-1MyeyPYCuM&vet=12ahUKEwiJ7fq7--r-AhX0lrycChdhjB_kQ%ygRegUIARDfAQ..i&imgrefurl=https%3A%3F%2Fwww.filmr.com%2Fkimir%2Fal-pacino%2F&docid=mATnDbPhVd2btY&w=1000&h=1500&q=A1%20Pacino&ved=2ahUKEwiJ7fq7--r-AhX0lrycChdhjB_kQ%ygRegUIARDfAQ', TO_DATE('1940-04-25', 'YYYY-MM-DD'), 'Al Pacino is an American actor and filmmaker.', 'American', 'Academy Award for Best Actor for his role in "Scent of a Woman"', 170.0, 'https://twitter.com/AlPacino');

INSERT INTO "ACTOR" ("ID", "NAME", "SURNAME", "ACTOR_PHOTOGRAPH", "BIRTH_DATE", "ACTOR_RESUME", "NATIONALITY", "AWARDS", "HEIGHT", "SOCIAL_MEDIA_LINK")
VALUES (3, 'Christian', 'Bale', 'https://upload.wikimedia.org/wikipedia/commons/thumb/0/0a/Christian_Bale-7837.jpg/800px-Christian_Bale-7837.jpg', TO_DATE('1974-01-30', 'YYYY-MM-DD'), 'Christian Bale is a British actor known for his intense method acting and his ability to transform himself for roles.', 'British', 'Academy Award for Best Supporting Actor for his role in "The Fighter"; Academy Award for Best Actor for his role in "The Fighter"', 183.0, 'https://twitter.com/christianbale');
```

## 2.4)Inserting Values In Movie\_Actor Table;

SQL Commands

SchemaTR\_A478\_SQL\_S36

Rows10

Clear Command

Find Tables

Save

Run

```
INSERT INTO "MOVIE_ACTOR"("ID", "MOVIE_ID", "ACTOR_ID", "MOVIE_ACTOR_STARRING", "ROLE", "SALARY")
VALUES(1,1,1,1,'Andy Dufresne',10000000);

INSERT INTO "MOVIE_ACTOR"("ID", "MOVIE_ID", "ACTOR_ID", "MOVIE_ACTOR_STARRING", "ROLE", "SALARY")
VALUES(2,2,2,1,'Michael Corleone',50000000);

INSERT INTO "MOVIE_ACTOR"("ID", "MOVIE_ID", "ACTOR_ID", "MOVIE_ACTOR_STARRING", "ROLE", "SALARY")
VALUES(3,3,3,1,'Bruce Wayne',200000000);
```

## 2.5)Inserting Values In Genre Table;

Rows10

Clear Command

Find Tables

Save

Run

```
INSERT INTO "GENRE"("ID", "NAME", "DESCRIPTION")
VALUES(1,'Detective','The genre of "The Shawshank Redemption" can be described as a drama film with elements of crime and redemption. It tells the story of a man named Andy Dufresne who is wrongfully convicted of murder and sent to Shawshank State Penitentiary, where he forms friendships with other inmates and ultimately finds a way to redeem himself. The film deals with themes of hope, perseverance, and the human spirit in the face of adversity.');
```

```
INSERT INTO "GENRE"("ID", "NAME", "DESCRIPTION")
VALUES(2,'Crime','A genre that focuses on criminal activities and their repercussions');
```

```
INSERT INTO "GENRE"("ID", "NAME", "DESCRIPTION")
VALUES(3,'Action','"The Dark Knight" is a superhero film that belongs to the action and crime genres. It is a sequel to "Batman Begins" and features the iconic DC Comics character, Batman, as he continues his fight against crime in Gotham City. The movie is known for its dark and gritty tone, complex characters, and intense action sequences. It explores themes of justice, corruption, and the limits of heroism, making it a critically acclaimed and fan-favorite film.');
```

## 2.6)Inserting Values In Movie\_Genre Table;

SQL Commands

SchemaTR\_A478\_SQL\_S36

Rows10

Clear Command

Find Tables

Save

Run

```
INSERT INTO "MOVIE_GENRE"("ID", "MOVIE_ID", "GENRE_ID", "SUB_GENRE")
VALUES(1,1,1,'Prison');
```

```
INSERT INTO "MOVIE_GENRE"("ID", "MOVIE_ID", "GENRE_ID", "SUB_GENRE")
VALUES(2,2,2,'Gangster');
```

```
INSERT INTO "MOVIE_GENRE"("ID", "MOVIE_ID", "GENRE_ID", "SUB_GENRE")
VALUES(3,3,3,'Super Hero');
```

## 2.7)Inserting Values In Country Table;

SQL Commands

SchemaTR\_A478\_SQL\_S36

Rows10Clear CommandFind TablesSaveRun

```
INSERT INTO "COUNTRY"("ID", "COUNTRY_NAME", "POPULATION", "OFFICIAL_LANGUAGE")
VALUES(1,'UNITED STATES',331900000,'English');

INSERT INTO "COUNTRY"("ID", "COUNTRY_NAME", "POPULATION", "OFFICIAL_LANGUAGE")
VALUES(2,'UNITED STATES',331900000,'English');

INSERT INTO "COUNTRY"("ID", "COUNTRY_NAME", "POPULATION", "OFFICIAL_LANGUAGE")
VALUES(3,'UNITED STATES,UNITED KINGDOM',398900000,'English');
```

## 2.8)Inserting Values In Movie\_Country Table;

SQL Commands

SchemaTR\_A478\_SQL\_S36

Rows10Clear CommandFind TablesSaveRun

```
INSERT INTO "MOVIE_COUNTRY"("ID", "MOVIE_ID", "COUNTRY_ID", "LANGUAGE", "RATING_BOARD")
VALUES(1,1,1,'English','R');

INSERT INTO "MOVIE_COUNTRY"("ID", "MOVIE_ID", "COUNTRY_ID", "LANGUAGE", "RATING_BOARD")
VALUES(2,2,2,'English','R');

INSERT INTO "MOVIE_COUNTRY"("ID", "MOVIE_ID", "COUNTRY_ID", "LANGUAGE", "RATING_BOARD")
VALUES(3,3,3,'English','PG-13');
```

## 2.9)Inserting Values In Users Table;

```
INSERT INTO "USERS"("ID", "USER_NAME", "USER_SURNAME", "USER_NICKNAME", "USER_MAIL",
"USER_PASSWORD", "BIRTH_DATE", "GENDER")
VALUES(1,'Yahya','Zakrya Khan','Hyperranger_1975','YahyaZK@gmail.com','123456',
TO_DATE('2000-04-14','YYYY-MM-DD'),'Male');

INSERT INTO "USERS"("ID", "USER_NAME", "USER_SURNAME", "USER_NICKNAME", "USER_MAIL",
"USER_PASSWORD", "BIRTH_DATE", "GENDER")
VALUES(2,'Leyla Nur','Sönmez','Leyl4Nur','leylaNS@gmail.com','123456',
TO_DATE('2000-04-14','YYYY-MM-DD'),'Female');

INSERT INTO "USERS"("ID", "USER_NAME", "USER_SURNAME", "USER_NICKNAME", "USER_MAIL",
"USER_PASSWORD", "BIRTH_DATE", "GENDER")
VALUES(3,'Kübra','Gönülal','Kubragonulal','KubraG@gmail.com','123456',
TO_DATE('2000-04-14','YYYY-MM-DD'),'Female');

INSERT INTO "USERS"("ID", "USER_NAME", "USER_SURNAME", "USER_NICKNAME", "USER_MAIL",
"USER_PASSWORD", "BIRTH_DATE", "GENDER")
VALUES(4,'Nuran','Serbez','Nur4nSerbez','NuranS@gmail.com','123456',
TO_DATE('2000-04-14','YYYY-MM-DD'),'Female');
```

## 2.10) Inserting Value In Movie\_Comment Table;

```
Rows 10 ? Clear Command Find Tables

INSERT INTO "MOVIE_COMMENT"("ID", "MOVIE_ID", "USERS_ID", "COMMENTS", "COMMENTS_DATE", "RATING")
VALUES(1,3,1,'This movie is a masterpiece', TO_DATE('2023-04-30','YYYY-MM-DD'), 10.0);

INSERT INTO "MOVIE_COMMENT"("ID", "MOVIE_ID", "USERS_ID", "COMMENTS", "COMMENTS_DATE", "RATING")
VALUES(2,1,2,'I like this movie wow!', TO_DATE('2023-04-30','YYYY-MM-DD'), 9.0);

INSERT INTO "MOVIE_COMMENT"("ID", "MOVIE_ID", "USERS_ID", "COMMENTS", "COMMENTS_DATE", "RATING")
VALUES(3,2,3,'This movie is fully of action fantastic', TO_DATE('2023-04-30','YYYY-MM-DD'), 9.5);

INSERT INTO "MOVIE_COMMENT"("ID", "MOVIE_ID", "USERS_ID", "COMMENTS", "COMMENTS_DATE", "RATING")
VALUES(4,2,4,'I love crime movies', TO_DATE('2023-04-30','YYYY-MM-DD'), 10.0);
```

## 2.11) Inserting Values In Actor\_Comment Table;

```
Rows 10 ? Clear Command Find Tables

INSERT INTO "ACTOR_COMMENT"("ID","ACTOR_ID","USERS_ID","COMMENTS","COMMENTS_DATE","RATING")
VALUES(1,3,1,'Christian Bale is the best actor of all time', TO_DATE('2023-04-30','YYYY-MM-DD'),10.0);

INSERT INTO "ACTOR_COMMENT"("ID","ACTOR_ID","USERS_ID","COMMENTS","COMMENTS_DATE","RATING")
VALUES(2,1,2,'Morgan Freeman is the best', TO_DATE('2023-04-30','YYYY-MM-DD'),10.0);

INSERT INTO "ACTOR_COMMENT"("ID","ACTOR_ID","USERS_ID","COMMENTS","COMMENTS_DATE","RATING")
VALUES(3,2,3,'Marlone Brando is the best actor', TO_DATE('2023-04-30','YYYY-MM-DD'),10.0);

INSERT INTO "ACTOR_COMMENT"("ID","ACTOR_ID","USERS_ID","COMMENTS","COMMENTS_DATE","RATING")
VALUES(4,2,4,'Al Pacino is the best actor of all time', TO_DATE('2023-04-30','YYYY-MM-DD'),10.0);
```

## 3) SQL Select Commands:

### 3.1) To select all columns from the Movie table ;

```
Rows 10 ? Clear Command Find Tables

SELECT * FROM Movie;
```

Results

Explain

Describe

Saved SQL



History

ID	MOVIE_NAME	SCENARIST	DIRECTOR	MOVIE_POSTER	MOVIE_EXPLANATION	MOVIE_PRESENTATION	MOVIE_IMDB_SCORE	BUDGET	TRAILER_LINK
1	The Shawshank Redemption	Frank Darabont	Frank Darabont	<a href="https://en.wikipedia.org/wiki/File:ShawshankRedemptionMoviePoster.jpg">https://en.wikipedia.org/wiki/File:ShawshankRedemptionMoviePoster.jpg</a>	Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.	10-Sep-1994	9.3	25000000	<a href="https://www.youtube.com/watch?v=NmzuHjWmXOc">https://www.youtube.com/watch?v=NmzuHjWmXOc</a>
2	The Godfather	Mario Puzo	Francis Ford Coppola	<a href="https://en.wikipedia.org/wiki/File:Godfather_ver1.jpg">https://en.wikipedia.org/wiki/File:Godfather_ver1.jpg</a>	The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.	14-Mar-1972	9.2	7000000	<a href="https://www.youtube.com/watch?v=sY1S34973zA">https://www.youtube.com/watch?v=sY1S34973zA</a>
3	The Dark Knight	Christopher Nolan, Jonathan Nolan	Christopher Nolan	<a href="https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg">https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg</a>	When the menace known as the Joker wreaks havoc and chaos on the people of Gotham, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice.	18-Jul-2008	9	185000000	<a href="https://www.youtube.com/watch?v=LDG9bistEal">https://www.youtube.com/watch?v=LDG9bistEal</a>

3 rows returned in 0.01 seconds

Download

3.2) To select the movie name, Director, and release date from the Movie table;

Rows    Clear Command

```
SELECT Movie_Name, Director, Movie_Presentation
FROM Movie;
```

Results

Explain

Describe

Saved SQL

History

MOVIE_NAME	DIRECTOR	MOVIE_PRESENTATION
The Shawshank Redemption	Frank Darabont	10-Sep-1994
The Godfather	Francis Ford Coppola	14-Mar-1972
The Dark Knight	Christopher Nolan	18-Jul-2008

3 rows returned in 0.00 seconds [Download](#)



3.3) To select all columns from Movie\_Photo table;

Rows10

?

Clear Command

Find Tables

SELECT \* FROM Movie\_Photo;

Results

Explain

Describe

Saved SQL

History

ID	MOVIE_ID	ADDRESS	TYPE	RESOLUTION
1	1	https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Mansfield_OH_-_Reformatory_-_Closed.jpg/330px-Mansfield_OH_-_Reformatory_-_Closed.jpg	Landscape	1920x1080
2	2	https://en.wikipedia.org/wiki/File:NYC_-_New_York_County_Supreme_Courthouse.jpg	Portrait	1024x768
3	3	https://en.wikipedia.org/wiki/File:Navy_Pier_Summer.jpg	Landscape	1920x1080

3 rows returned in 0.00 secondsDownload

3.4) To select the name, surname, nationality of all Actors;

Rows10

?

Clear Command

Find Tables

SELECT Name, Surname, Nationality  
FROM Actor;

Results

Explain

Describe

Saved SQL

History

NAME		SURNAME	NATIONALITY
Tim		Robbins	American
Al		Pacino	American
Christian		Bale	British

3 rows returned in 0.00 seconds

[Download](#)

3.5) To select all columns of the Movie\_Actor table;

Rows
?
Clear Command
Find Tables

```
SELECT * FROM Movie_Actor;
```

Results

Explain

Describe

Saved SQL

History

ID	MOVIE_ID	ACTOR_ID	MOVIE_ACTOR_STARRING	ROLE	SALARY
1	1	1		Andy Dufresne	10000000
2	2	2	1	Michael Corleone	5000000
3	3	3	1	Bruce Wayne	20000000

3 rows returned in 0.01 seconds

Download

3.6) To select the movie name, actor name and role from the Movie\_Actor table where the movie id is 1. It is joining the tables together based on their respective IDs.

Rows10

?

Clear Command

Find Tables

SELECT Movie.Movie\_name, Actor.Name, Movie\_Actor.Role  
FROM Movie\_Actor  
JOIN Movie ON Movie\_Actor.Movie\_ID = Movie.ID  
JOIN Actor ON Movie\_Actor.Actor\_ID = Actor.ID  
WHERE Movie\_ID = 1;

Results

Explain

Describe

Saved SQL

History

MOVIE_NAME	NAME	ROLE
The Shawshank Redemption	Tim	Andy Dufresne

1 rows returned in 0.01 seconds

Download

3.7) To select the all columns of the Genre table with result;

Rows10

?

Clear Command

Find Tables

Save

Run

SELECT \* FROM Genre;

Results

Explain

Describe

Saved SQL

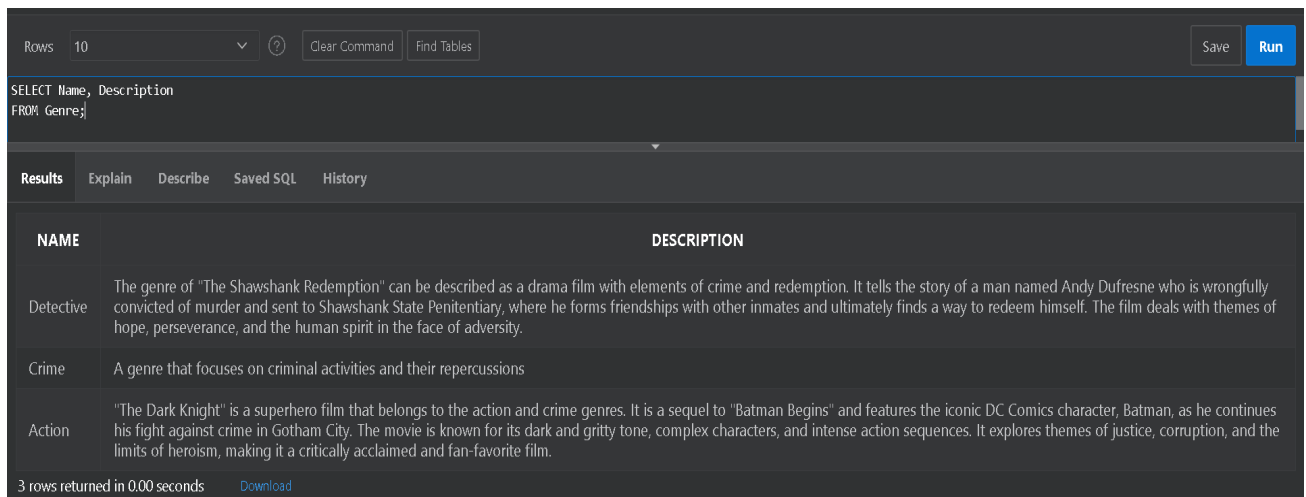
History

ID	NAME	DESCRIPTION
1	Detective	The genre of "The Shawshank Redemption" can be described as a drama film with elements of crime and redemption. It tells the story of a man named Andy Dufresne who is wrongfully convicted of murder and sent to Shawshank State Penitentiary, where he forms friendships with other inmates and ultimately finds a way to redeem himself. The film deals with themes of hope, perseverance, and the human spirit in the face of adversity.
2	Crime	A genre that focuses on criminal activities and their repercussions
3	Action	"The Dark Knight" is a superhero film that belongs to the action and crime genres. It is a sequel to "Batman Begins" and features the iconic DC Comics character, Batman, as he continues his fight against crime in Gotham City. The movie is known for its dark and gritty tone, complex characters, and intense action sequences. It explores themes of justice, corruption, and the limits of heroism, making it a critically acclaimed and fan-favorite film.

3 rows returned in 0.01 seconds

Download

3.8) To select the name and description from Genre table with result;

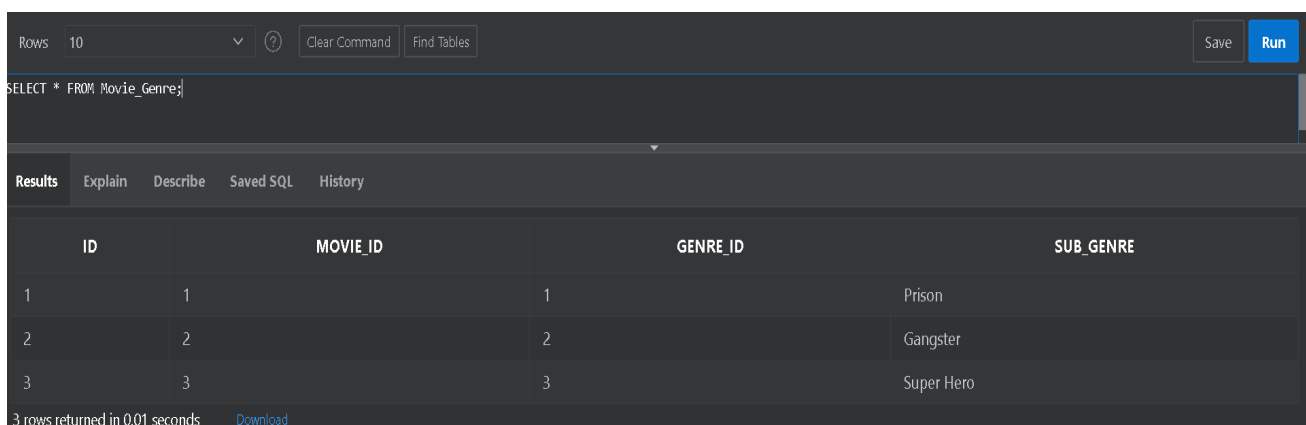


```
SELECT Name, Description
FROM Genre;
```

NAME	DESCRIPTION
Detective	The genre of "The Shawshank Redemption" can be described as a drama film with elements of crime and redemption. It tells the story of a man named Andy Dufresne who is wrongfully convicted of murder and sent to Shawshank State Penitentiary, where he forms friendships with other inmates and ultimately finds a way to redeem himself. The film deals with themes of hope, perseverance, and the human spirit in the face of adversity.
Crime	A genre that focuses on criminal activities and their repercussions
Action	"The Dark Knight" is a superhero film that belongs to the action and crime genres. It is a sequel to "Batman Begins" and features the iconic DC Comics character, Batman, as he continues his fight against crime in Gotham City. The movie is known for its dark and gritty tone, complex characters, and intense action sequences. It explores themes of justice, corruption, and the limits of heroism, making it a critically acclaimed and fan-favorite film.

3 rows returned in 0.00 seconds [Download](#)

3.9) To select the all columns of the Movie\_Genre table with result;

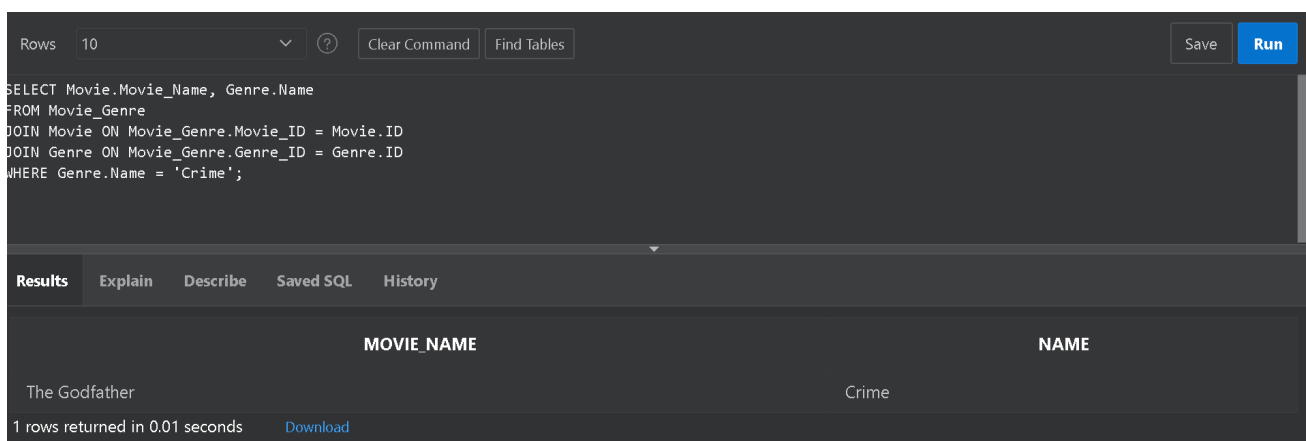


```
SELECT * FROM Movie_Genre;
```

ID	MOVIE_ID	GENRE_ID	SUB_GENRE
1	1	1	Prison
2	2	2	Gangster
3	3	3	Super Hero

3 rows returned in 0.01 seconds [Download](#)

3.10) To select the movie name and genre name for all movies with the “Crime” genre. It is joining the tables together based on their respective IDs.



```
SELECT Movie.Movie_Name, Genre.Name
FROM Movie_Genre
JOIN Movie ON Movie_Genre.Movie_ID = Movie.ID
JOIN Genre ON Movie_Genre.Genre_ID = Genre.ID
WHERE Genre.Name = 'Crime';
```

MOVIE_NAME	NAME
The Godfather	Crime

1 rows returned in 0.01 seconds [Download](#)

3.11) To select the all columns from the Country table with result;

Rows: 10

```
SELECT * FROM Country;
```

Results	Explain	Describe	Saved SQL	History
ID	COUNTRY_NAME	POPULATION	OFFICIAL_LANGUAGE	
1	UNITED STATES	331900000	English	
2	UNITED STATES	331900000	English	
3	UNITED STATES,UNITED KINGDOM	398900000	English	

3 rows returned in 0.01 seconds [Download](#)

3.12) To select country name and official language from Country table with result;

Rows: 10

```
SELECT Country_Name, Official_Language FROM Country;
```

Results	Explain	Describe	Saved SQL	History
COUNTRY_NAME	OFFICIAL_LANGUAGE			
UNITED STATES	English			
UNITED STATES	English			
UNITED STATES,UNITED KINGDOM	English			

3 rows returned in 0.00 seconds [Download](#)

3.13) To select the all columns from Movie\_Country table with result;

Rows: 10

```
SELECT * FROM Movie_Country;
```

Results	Explain	Describe	Saved SQL	History
ID	MOVIE_ID	COUNTRY_ID	LANGUAGE	RATING_BOARD
1	1	1	English	R
2	2	2	English	R
3	3	3	English	PG-13

3 rows returned in 0.01 seconds [Download](#)

3.14) To select the movie name and language for all movies released in English from Movie\_Country table. It is joining the tables together based on their respective IDs.

Rows 10 ? Clear Command Find Tables Save Run

```
SELECT Movie.Movie_Name, Movie_Country.Language
FROM Movie_Country
JOIN Movie ON Movie_Country.Movie_ID = Movie.ID
WHERE Movie_Country.Language = 'English';
```

**Results** Explain Describe Saved SQL History

MOVIE_NAME	LANGUAGE
The Shawshank Redemption	English
The Godfather	English
The Dark Knight	English

3 rows returned in 0.01 seconds [Download](#)

3.15) To select user name , user email and user passwords from Users table.

Rows 10 ? Clear Command Find Tables Save Run

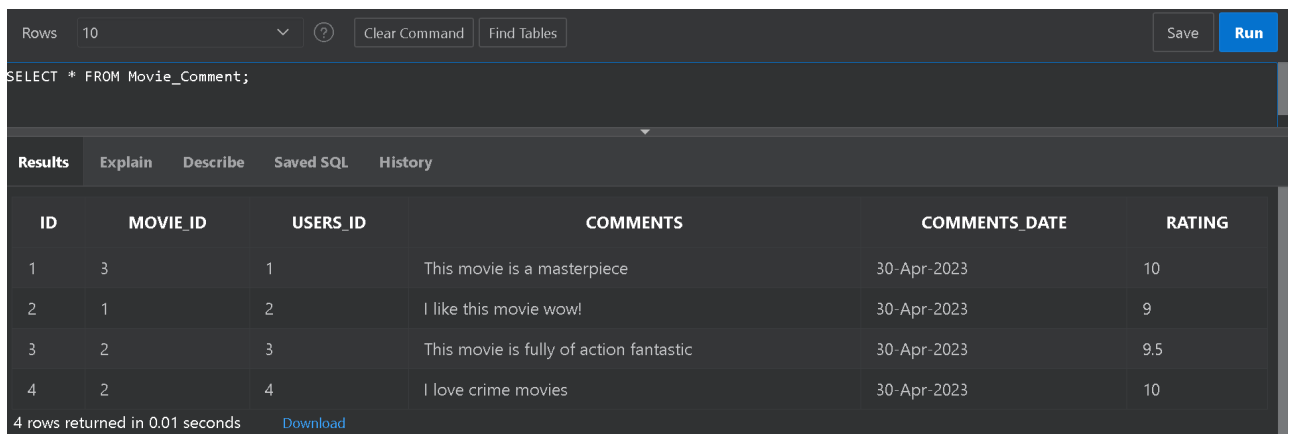
```
SELECT User_Name, User_Mail, User_Password FROM Users;
```

**Results** Explain Describe Saved SQL History

USER_NAME	USER_MAIL	USER_PASSWORD
Yahya	YahyaZK@gmail.com	123456
Leyla Nur	leylaNS@gmail.com	123456
Kübra	KubraG@gmail.com	123456
Nuran	NuranS@gmail.com	123456

4 rows returned in 0.00 seconds [Download](#)

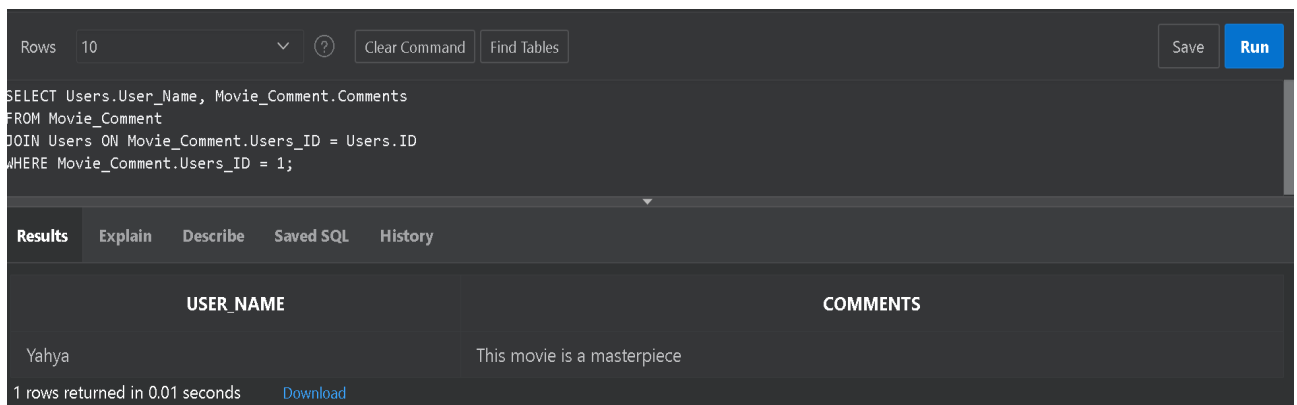
3.16) To select the all columns from Movie\_Comment table.



The screenshot shows a SQL query execution interface. At the top, there's a toolbar with 'Rows' set to 10, a 'Clear Command' button, a 'Find Tables' button, a 'Save' button, and a 'Run' button. Below the toolbar, the SQL command is entered: `SELECT * FROM Movie_Comment;`. The results are displayed in a table with the following columns: ID, MOVIE\_ID, USERS\_ID, COMMENTS, COMMENTS\_DATE, and RATING. There are 4 rows of data. Below the table, it says '4 rows returned in 0.01 seconds' and there is a 'Download' link.

ID	MOVIE_ID	USERS_ID	COMMENTS	COMMENTS_DATE	RATING
1	3	1	This movie is a masterpiece	30-Apr-2023	10
2	1	2	I like this movie wow!	30-Apr-2023	9
3	2	3	This movie is fully of action fantastic	30-Apr-2023	9.5
4	2	4	I love crime movies	30-Apr-2023	10

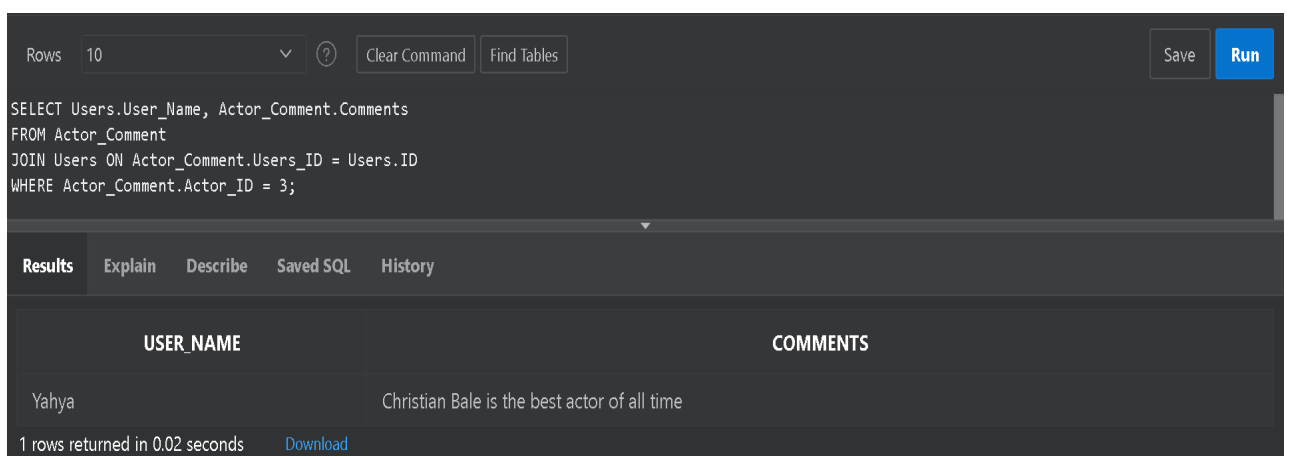
3.17) To select the user name and comment for all comments on the movie with Id from Movie\_Comment table. It is joining the tables together based on their respective IDs to create a new table that includes the users name, movie comments, where Id 1



The screenshot shows a SQL query execution interface. At the top, there's a toolbar with 'Rows' set to 10, a 'Clear Command' button, a 'Find Tables' button, a 'Save' button, and a 'Run' button. Below the toolbar, the SQL command is entered: `SELECT Users.User_Name, Movie_Comment.Comments  
FROM Movie_Comment  
JOIN Users ON Movie_Comment.Users_ID = Users.ID  
WHERE Movie_Comment.Users_ID = 1;`. The results are displayed in a table with the following columns: USER\_NAME and COMMENTS. There is 1 row of data. Below the table, it says '1 rows returned in 0.01 seconds' and there is a 'Download' link.

USER_NAME	COMMENTS
Yahya	This movie is a masterpiece

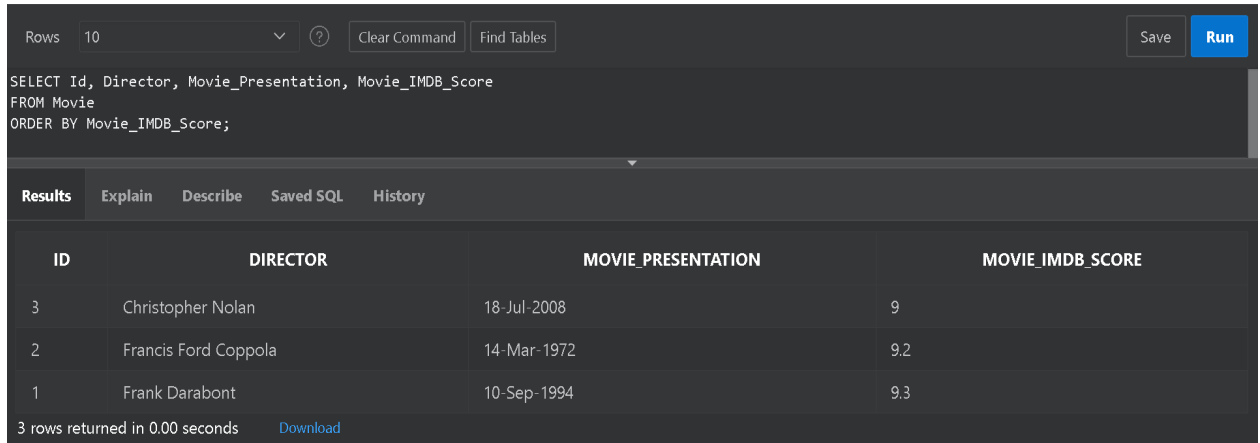
3.18) To select the user name and comment for all comments on the actor with Id from Actor\_Comment tablet. It is joining the tables together based on their respective IDs to create a new table that includes the users name, actor comments, and Id 3



The screenshot shows a SQL query execution interface. At the top, there's a toolbar with 'Rows' set to 10, a 'Clear Command' button, a 'Find Tables' button, a 'Save' button, and a 'Run' button. Below the toolbar, the SQL command is entered: `SELECT Users.User_Name, Actor_Comment.Comments  
FROM Actor_Comment  
JOIN Users ON Actor_Comment.Users_ID = Users.ID  
WHERE Actor_Comment.Actor_ID = 3;`. The results are displayed in a table with the following columns: USER\_NAME and COMMENTS. There is 1 row of data. Below the table, it says '1 rows returned in 0.02 seconds' and there is a 'Download' link.

USER_NAME	COMMENTS
Yahya	Christian Bale is the best actor of all time

3.19) To select the Id, director, movie presentation date and movie IMDB score ordering it by movie IMDB score from Movie table with result.



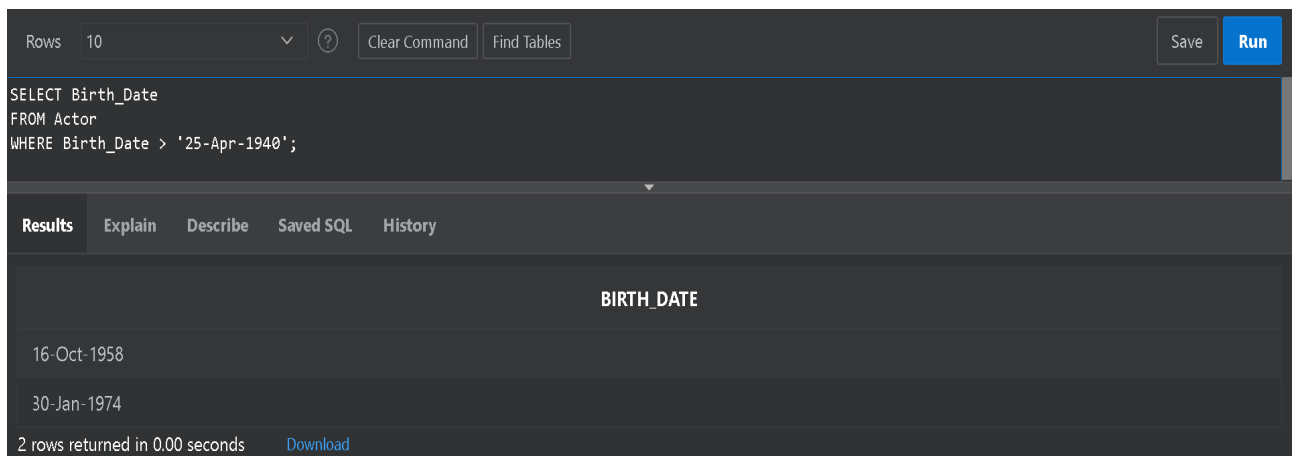
The screenshot shows a SQL query editor interface. At the top, there are controls for 'Rows' (set to 10), a help icon, and buttons for 'Clear Command', 'Find Tables', 'Save', and 'Run'. The SQL query entered is: `SELECT Id, Director, Movie_Presentation, Movie_IMDB_Score  
FROM Movie  
ORDER BY Movie_IMDB_Score;`

Below the query, there are tabs for 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, displaying a table with the following data:

ID	DIRECTOR	MOVIE_PRESENTATION	MOVIE_IMDB_SCORE
3	Christopher Nolan	18-Jul-2008	9
2	Francis Ford Coppola	14-Mar-1972	9.2
1	Frank Darabont	10-Sep-1994	9.3

At the bottom of the results, it states '3 rows returned in 0.00 seconds' and provides a 'Download' link.

3.20) To select the birth date from the Actor table and use the where clause to display that the birth date is greater than '25-Apr-1940' .



The screenshot shows a SQL query editor interface. At the top, there are controls for 'Rows' (set to 10), a help icon, and buttons for 'Clear Command', 'Find Tables', 'Save', and 'Run'. The SQL query entered is: `SELECT Birth_Date  
FROM Actor  
WHERE Birth_Date > '25-Apr-1940';`

Below the query, there are tabs for 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, displaying a table with the following data:

BIRTH_DATE
16-Oct-1958
30-Jan-1974

At the bottom of the results, it states '2 rows returned in 0.00 seconds' and provides a 'Download' link.



3.21) To select the all columns from the Movie table that belong to the genre 'Action' by using subquery.

Rows
10
Clear Command
Find Tables

```

SELECT *
FROM Movie
WHERE ID IN (
  SELECT Movie_ID
  FROM Movie_Genre
  WHERE Genre_ID = (
    SELECT ID
    FROM Genre
    WHERE Name = 'Action'
  )
);

```

Results Explain Describe Saved SQL History

ID	MOVIE_NAME	SCENARIST	DIRECTOR	MOVIE_POSTER	MOVIE_EXLANATION	MOVIE_PRESENTATION	MOVIE_IMDB_SCORE	BUDGET	TRAILER_LINK
3	The Dark Knight	Christopher Nolan, Jonathan Nolan	Christopher Nolan	<a href="https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg">https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg</a>	When the menace known as the Joker wreaks havoc and chaos on the people of Gotham, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice.	18-Jul-2008	9	185000000	<a href="https://www.youtube.com/watch?v=LDG9bisJEal">https://www.youtube.com/watch?v=LDG9bisJEal</a>

1 rows returned in 0.01 seconds Download

3.22) To select from Movie, Country, and Movie\_Country. It is joining the tables together based on their respective IDs to create a new table that includes the movie name, country name, and rating board for each movie that has a rating board of 'R'.

Rows
10
Clear Command
Find Tables
Save
Run

```

SELECT Movie.Movie_Name, Country.Country_Name, Movie_Country.Rating_Board
FROM Movie_Country
JOIN Movie ON Movie_Country.Movie_ID = Movie.ID
JOIN Country ON Movie_Country.Country_ID = Country.ID
WHERE Movie_Country.Rating_Board = 'R';

```

Results Explain Describe Saved SQL History

MOVIE_NAME	COUNTRY_NAME	RATING BOARD
The Shawshank Redemption	UNITED STATES	R
The Godfather	UNITED STATES	R

2 rows returned in 0.00 seconds Download

3.23) To select all movies directed by the same director as the movie 'The Dark Knight'. By using subquery.

Rows

10

?

Clear Command

Find Tables

```
SELECT *
FROM MOVIE
WHERE DIRECTOR = (
  SELECT DIRECTOR
  FROM MOVIE
  WHERE MOVIE_NAME = 'The Dark Knight'
);
```

Results

Explain

Describe

Saved SQL

History

ID	MOVIE_NAME	SCENARIST	DIRECTOR	MOVIE_POSTER	MOVIE_EXPLANATION	MOVIE_PRESENTATION	MOVIE_IMDB_SCORE	BUDGET	TRAILER_LINK
3	The Dark Knight	Christopher Nolan, Jonathan Nolan	Christopher Nolan	<a href="https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg">https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg</a>	When the menace known as the Joker wreaks havoc and chaos on the people of Gotham, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice.	18-Jul-2008	9	185000000	<a href="https://www.youtube.com/watch?v=LDG9bisIEal">https://www.youtube.com/watch?v=LDG9bisIEal</a>

1 rows returned in 0.01 seconds

Download

3.24) To select all columns from the Movie table where the Budget column is greater than the average budget of all movies in the same table. By using subquery.

Rows10

?

Clear Command

Find Tables

```
SELECT *
FROM Movie
WHERE Budget > (
    SELECT AVG(Budget)
    FROM Movie
);
```

Results

Explain

Describe

Saved SQL

History

ID	MOVIE_NAME	SCENARIST	DIRECTOR	MOVIE_POSTER	MOVIE_EXPLANATION	MOVIE_PRESENTATION	MOVIE_IMDB_SCORE	BUDGET	TRAILER_LINK
3	The Dark Knight	Christopher Nolan, Jonathan Nolan	Christopher Nolan	<a href="https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg">https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg</a>	When the menace known as the Joker wreaks havoc and chaos on the people of Gotham, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice.	18-Jul-2008	9	185000000	<a href="https://www.youtube.com/watch?v=LDG9bisIEal">https://www.youtube.com/watch?v=LDG9bisIEal</a>

1 rows returned in 0.00 seconds

Download

3.25) To select all columns from the table "Movie" where the value in the column Movie\_Presentation is less than or equal to the current date and time.

Rows10

?

Clear Command

Find Tables

```
SELECT *
FROM Movie
WHERE Movie_Presentation <= SYSDATE;
```

Results

Explain

Describe

Saved SQL

History

ID	MOVIE_NAME	SCENARIST	DIRECTOR	MOVIE_POSTER	MOVIE_EXPLANATION	MOVIE_PRESENTATION	MOVIE_IMDB_SCORE	BUDGET	TRAILER_LINK
1	The Shawshank Redemption	Frank Darabont	Frank Darabont	<a href="https://en.wikipedia.org/wiki/File:ShawshankRedemptionMoviePoster.jpg">https://en.wikipedia.org/wiki/File:ShawshankRedemptionMoviePoster.jpg</a>	Two imprisoned men bond over a number of years, finding solace and eventual redemption through acts of common decency.	10-Sep-1994	9.3	25000000	<a href="https://www.youtube.com/watch?v=NmzuHjWmXOc">https://www.youtube.com/watch?v=NmzuHjWmXOc</a>
2	The Godfather	Mario Puzo	Francis Ford Coppola	<a href="https://en.wikipedia.org/wiki/File:Godfather_ver1.jpg">https://en.wikipedia.org/wiki/File:Godfather_ver1.jpg</a>	The aging patriarch of an organized crime dynasty transfers control of his clandestine empire to his reluctant son.	14-Mar-1972	9.2	7000000	<a href="https://www.youtube.com/watch?v=sY1534973zA">https://www.youtube.com/watch?v=sY1534973zA</a>
3	The Dark Knight	Christopher Nolan, Jonathan Nolan	Christopher Nolan	<a href="https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg">https://en.wikipedia.org/wiki/File:The_Dark_Knight_(2008_film).jpg</a>	When the menace known as the Joker wreaks havoc and chaos on the people of Gotham, Batman must accept one of the greatest psychological and physical tests of his ability to fight injustice.	18-Jul-2008	9	185000000	<a href="https://www.youtube.com/watch?v=LDG9bisEal">https://www.youtube.com/watch?v=LDG9bisEal</a>

3 rows returned in 0.01 secondsDownload

3.26) To select the Movie\_Presentation and truncates it to the year using the TRUNC function. The result of the truncation is displayed as "truncated\_date". The query only selects data from the Movie table where the ID is equal to 2.

Rows10

?

Clear Command

Find Tables

Save

Run

```
SELECT Movie_Presentation, TRUNC(Movie_Presentation, 'YEAR') AS "truncated_date"
FROM Movie
WHERE ID = 2;
```

Results

Explain

Describe

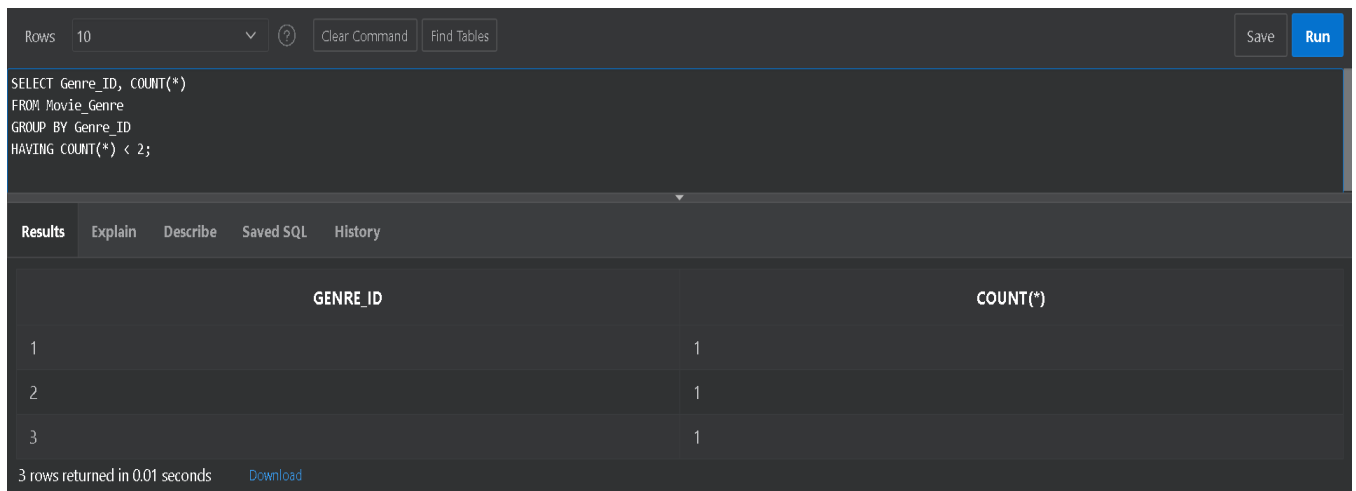
Saved SQL

History

MOVIE_PRESENTATION	truncated_date
14-Mar-1972	01-Jan-1972

1 rows returned in 0.00 secondsDownload

3.27) To select the number of movies in each genre from a table called Movie\_Genre. The query groups the movies by their genre ID and counts the number of movies in each group. The HAVING clause filters the results to only show genres with less than two movies.

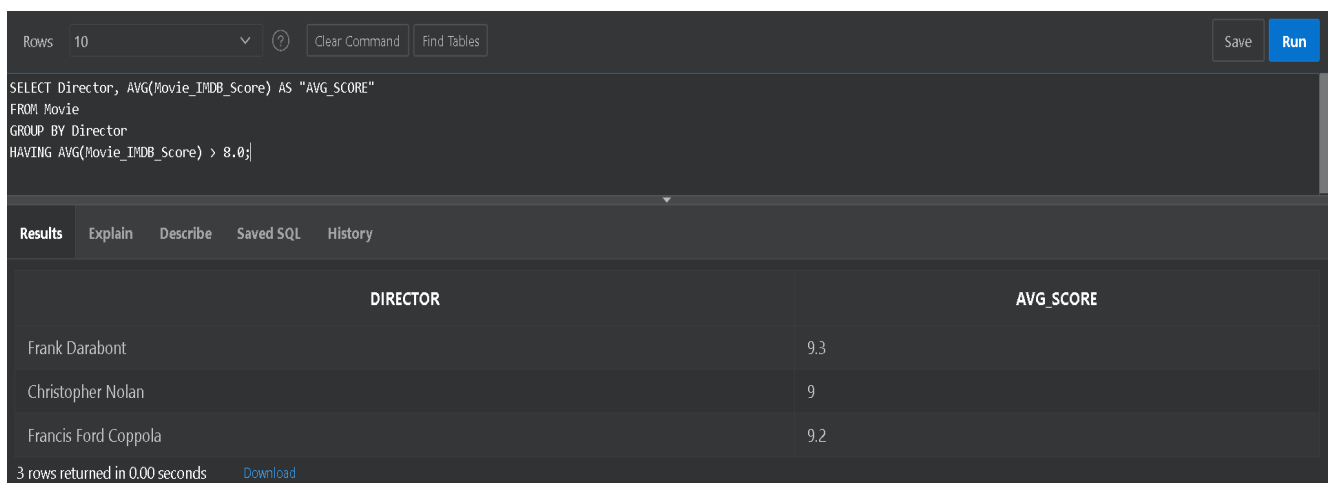


```
SELECT Genre_ID, COUNT(*)
FROM Movie_Genre
GROUP BY Genre_ID
HAVING COUNT(*) < 2;
```

GENRE_ID	COUNT(*)
1	1
2	1
3	1

3 rows returned in 0.01 seconds [Download](#)

3.28) Selecting from a table called Movie. So here selects the Director column and calculates the average of the Movie\_IMDB\_Score column for each director. The resulting column is named "AVG\_SCORE". The query then groups the data by director using the GROUP BY clause. Finally, the HAVING clause filters the results to only show rows where the average score is greater than 8.0.

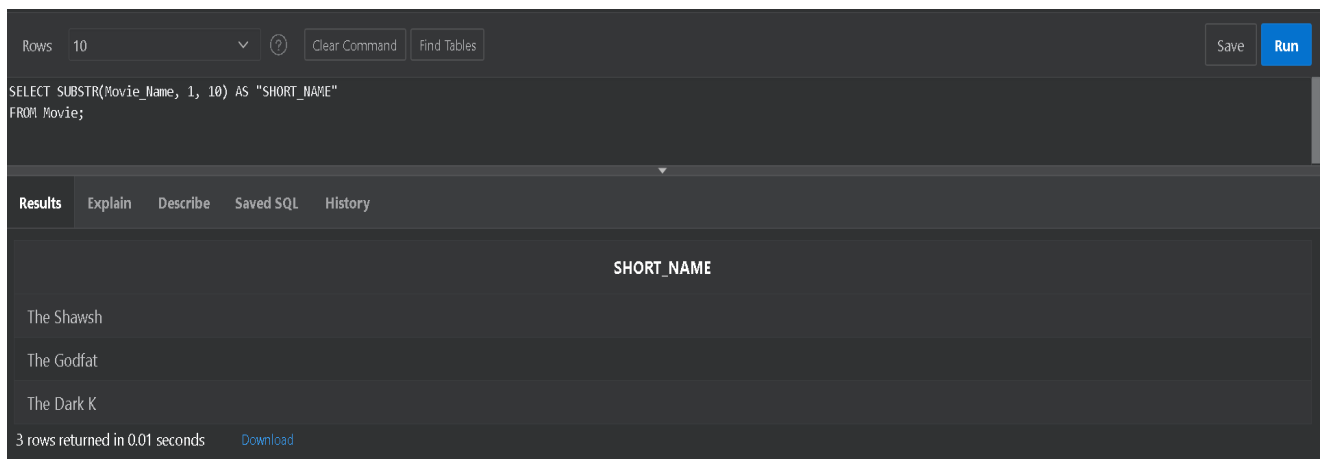


```
SELECT Director, AVG(Movie_IMDB_Score) AS "AVG_SCORE"
FROM Movie
GROUP BY Director
HAVING AVG(Movie_IMDB_Score) > 8.0;
```

DIRECTOR	AVG_SCORE
Frank Darabont	9.3
Christopher Nolan	9
Francis Ford Coppola	9.2

3 rows returned in 0.00 seconds [Download](#)

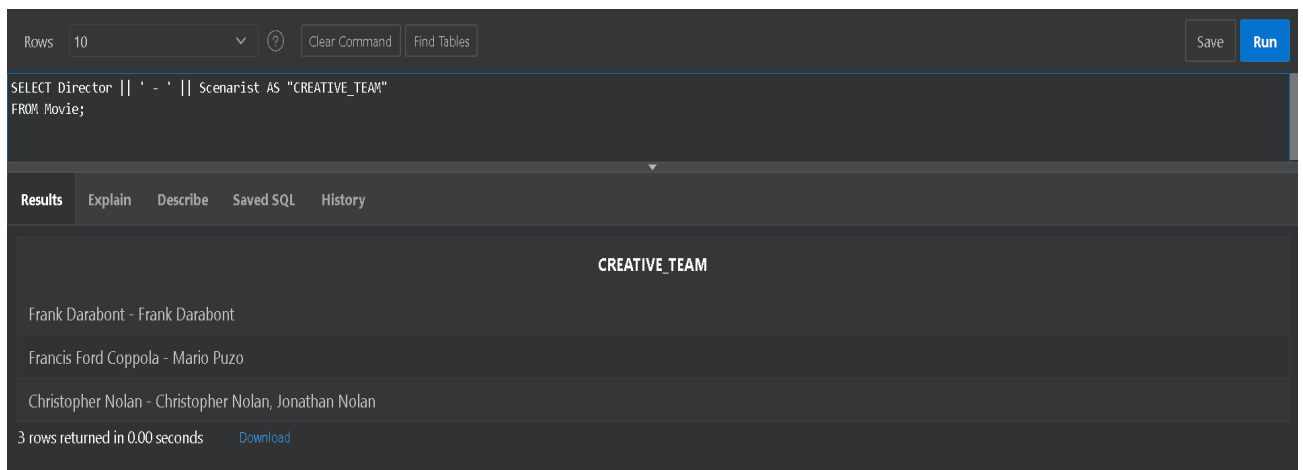
3.29) Selecting a substring of the "Movie\_Name" column from the Movie table. The substring starts at the first character and has a length of 10 characters. The AS keyword is used to rename the resulting column as "SHORT\_NAME".



The screenshot shows a SQL query editor with a dark theme. At the top, there are controls for 'Rows' (set to 10), a help icon, and buttons for 'Clear Command' and 'Find Tables'. On the right are 'Save' and 'Run' buttons. The query text is: `SELECT SUBSTR(Movie_Name, 1, 10) AS "SHORT_NAME" FROM Movie;`. Below the query, there are tabs for 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, displaying a table with the header 'SHORT\_NAME' and three rows of movie titles truncated to 10 characters. At the bottom, it states '3 rows returned in 0.01 seconds' and provides a 'Download' link.

SHORT_NAME
The Shawsh
The Godfat
The Dark K

3.30) Selecting from a table called Movie. So here we concatenated values of two columns, Director and Scenarist using the concatenation operator "||". Concatenated string is given an alias "CREATIVE\_TEAM".



The screenshot shows a SQL query editor with a dark theme. At the top, there are controls for 'Rows' (set to 10), a help icon, and buttons for 'Clear Command' and 'Find Tables'. On the right are 'Save' and 'Run' buttons. The query text is: `SELECT Director || ' - ' || Scenarist AS "CREATIVE_TEAM" FROM Movie;`. Below the query, there are tabs for 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, displaying a table with the header 'CREATIVE\_TEAM' and three rows showing the concatenated director and scenarist names. At the bottom, it states '3 rows returned in 0.00 seconds' and provides a 'Download' link.

CREATIVE_TEAM
Frank Darabont - Frank Darabont
Francis Ford Coppola - Mario Puzo
Christopher Nolan - Christopher Nolan, Jonathan Nolan

3.31) Selecting from a table named Genre. So here we used the REPLACE function to replace the word "Detective" in the Name column with the word "Crime". The result of this code is stored in a new column named as "UPDATED\_Genre\_Name".

Rows 10 ? Clear Command Find Tables Save

```
SELECT REPLACE(Name, 'Detective', 'Crime') AS "UPDATED_Genre_Name"
FROM Genre;
```

Results Explain Describe Saved SQL History

UPDATED_Genre_Name
Crime
Crime
Action

3 rows returned in 0.00 seconds Download

3.32) Updating the Resolution column in the Movie\_Photo table. It sets the value of Resolution to 'HD' for all rows where the Type column is equal to 'Portrait'.

Rows 10 ? Clear Command Find Tables

```
UPDATE Movie_Photo
SET Resolution = 'HD'
WHERE Type = 'Portrait';
```

Results Explain Describe Saved SQL History

ID	MOVIE_ID	ADDRESS	TYPE	RESOLUTION
1	1	https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Mansfield_OH_-_Reformatory_-_Closed.jpg/330px-Mansfield_OH_-_Reformatory_-_Closed.jpg	Landscape	1920x1080
2	2	https://en.wikipedia.org/wiki/File:NYC_-_New_York_County_Supreme_Courthouse.jpg	Portrait	HD
3	3	https://en.wikipedia.org/wiki/File:Navy_Pier_Summer.jpg	Landscape	1920x1080

3 rows returned in 0.00 seconds Download

3.33) Updating the Height column in the Actor table. The new value for Height is the current value plus 10. The condition for this update is that the Birth\_Date of the actor must be before January 30, 1974.

SQL Commands

Schema: TR\_A478\_SQL\_S36

Rows: 10

Clear Command Find Tables Save

```
UPDATE Actor
SET Height = Height + 10
WHERE Birth_Date < TO_DATE('1974-01-30', 'YYYY-MM-DD');
```

Results Explain Describe Saved SQL History

2 row(s) updated.

0.01 seconds

NAME	SURNAME	ACTOR_PHOTOGRAPH	BIRTH_DATE	ACTOR_RESUME	NATIONALITY	AWARDS	HEIGHT
Tim	Robbins	<a href="https://www.google.com/search?xsrf=APwXEdf-mnSpGHD8SEdc4UKN-vb4TRVKaA:1683718076496&amp;q=Tim+Robbins&amp;stick=H4sIAAAAAAANgfulQz9U3MM_KK1H1BLEM84qMzbSEsp0t9NMyC3LBhFVynHJilbukMxchaD8pkTMvOldrlwABSnUYzwAAAA&amp;sa=X&amp;ved=2ahUKewUvOfOour-AhX8Q_EDHcbAF0QgOQBegQIPRAG">https://www.google.com/search?xsrf=APwXEdf-mnSpGHD8SEdc4UKN-vb4TRVKaA:1683718076496&amp;q=Tim+Robbins&amp;stick=H4sIAAAAAAANgfulQz9U3MM_KK1H1BLEM84qMzbSEsp0t9NMyC3LBhFVynHJilbukMxchaD8pkTMvOldrlwABSnUYzwAAAA&amp;sa=X&amp;ved=2ahUKewUvOfOour-AhX8Q_EDHcbAF0QgOQBegQIPRAG</a>	16-Oct-1958	Tim Robbins is an American actor, screenwriter, director, producer, and musician.	American	Academy Award for Best Supporting Actor for his role in "Mystic River"	204
Al	Pacino	<a href="https://www.google.com/imgres?imgurl=https%3A%2F%2F0.wp.com%2Fwww.filmier.com%2Fwp-content%2Fuploads%2F2020%2F08%2Fslsw9D94mklBaPmCh38Ap9Xhjq.jpg%3Ffit%3D1000%252C1500%26ssl%3D1&amp;tbid=2QR-1WyeYpYUUM&amp;vet=12ahUKewU7f7q7--r-AhXMYncCHdhj8_kQMygRegUIARDfAQ_i&amp;imgrefurl=https%3A%2F%2Fwww.filmier.com%2Fkimir%2Fal-pacino%2F&amp;docid=m4TnDpPhVd2btM&amp;w=1000&amp;h=1500&amp;q=Al%2OPacino&amp;ved=2ahUKewU7f7q7--r-AhXMYncCHdhj8_kQMygRegUIARDfAQ">https://www.google.com/imgres?imgurl=https%3A%2F%2F0.wp.com%2Fwww.filmier.com%2Fwp-content%2Fuploads%2F2020%2F08%2Fslsw9D94mklBaPmCh38Ap9Xhjq.jpg%3Ffit%3D1000%252C1500%26ssl%3D1&amp;tbid=2QR-1WyeYpYUUM&amp;vet=12ahUKewU7f7q7--r-AhXMYncCHdhj8_kQMygRegUIARDfAQ_i&amp;imgrefurl=https%3A%2F%2Fwww.filmier.com%2Fkimir%2Fal-pacino%2F&amp;docid=m4TnDpPhVd2btM&amp;w=1000&amp;h=1500&amp;q=Al%2OPacino&amp;ved=2ahUKewU7f7q7--r-AhXMYncCHdhj8_kQMygRegUIARDfAQ</a>	25-Apr-1940	Al Pacino is an American actor and filmmaker.	American	Academy Award for Best Actor for his role in "Scent of a Woman"	180
Christian	Bale	<a href="https://upload.wikimedia.org/wikipedia/commons/thumb/0/0a/Christian_Bale-7837.jpg/800px-Christian_Bale-7837.jpg">https://upload.wikimedia.org/wikipedia/commons/thumb/0/0a/Christian_Bale-7837.jpg/800px-Christian_Bale-7837.jpg</a>	30-Jan-1974	Christian Bale is a British actor known for his intense method acting and his ability to transform himself for roles.	British	Academy Award for Best Supporting Actor for his role in "The Fighter"; Academy Award for Best Actor for his role	183

3.34) modifying the data type of the Role column in the Movie\_Actor table to VARCHAR2 with a maximum length of 500 characters.

Rows: 10

Clear Command Find Tables

```
ALTER TABLE Movie_Actor
MODIFY Role VARCHAR2(500);
```

Results Explain Describe Saved SQL History

Table altered.

0.01 seconds

3.35) This command removes data called the Awards column from the Actor table.

Find Tables

```
ALTER TABLE Actor
DROP COLUMN Awards;
```

Results	Explain	Describe	Save SQL	History				
D	NAME	SURNAME	ACTOR_PHOTOGRAPH	BIRTH_DATE	ACTOR_RESUME	NATIONALITY	HEIGHT	SOCIAL_MEDIA_LINK
1	Tim	Robbins	<a href="https://www.google.com/search?scrf=APwXEdf-mnSpGHD6SEde4UKN-vb4TRvKAA:163718076496&amp;q=Tim+Robbins&amp;sttc=H4jIAAAAAAAAAAONgFulQz9U3MM_KKTHIBLEM84qMzb5EzpOHSNMyc3LBnFvUyHnJlbulMxchaD8pKTMvOIdrhWBSnU7zwAAAA&amp;us=X&amp;ved=2ahUKEwUvOfOQur-APX8Q_EDHctA0QgO0BegQIRAG">https://www.google.com/search?scrf=APwXEdf-mnSpGHD6SEde4UKN-vb4TRvKAA:163718076496&amp;q=Tim+Robbins&amp;sttc=H4jIAAAAAAAAAAONgFulQz9U3MM_KKTHIBLEM84qMzb5EzpOHSNMyc3LBnFvUyHnJlbulMxchaD8pKTMvOIdrhWBSnU7zwAAAA&amp;us=X&amp;ved=2ahUKEwUvOfOQur-APX8Q_EDHctA0QgO0BegQIRAG</a>	16-Oct-1958	Tim Robbins is an American actor, screenwriter, director, producer, and musician.	American	204	<a href="https://twitter.com/timrobbins1">https://twitter.com/timrobbins1</a>
2	Al	Pacino	<a href="https://www.google.com/imgres?imgurl=https%3A%3F%3FQwip.com%3Fwww.filmier.com%3Fwp-content%3Fupload%3F2009%3F08%3F2fLsw9D64mKl8aPmCh38Ap9hQ.jpg%3FHE%3D1000%252C1500%26ssi%3D1&amp;tbnid=2OR-1WeyPrCuM&amp;vet=12ahUKEwU7fq7-r-AhXMyCChdJb_jQMgRegUIARDFAQ:1&amp;imgrefurl=http%3A%3A%3F%3Fwww.filmier.com%3Fimdir%3Fah-pacino%3F&amp;docid=m4fNbPwVb2bIM&amp;w=1000&amp;h=1500&amp;q=A%3DPacino&amp;ved=2ahUKEwU7fq7-r-AhXMyCChdJb_jQMgRegUIARDFAQ">https://www.google.com/imgres?imgurl=https%3A%3F%3FQwip.com%3Fwww.filmier.com%3Fwp-content%3Fupload%3F2009%3F08%3F2fLsw9D64mKl8aPmCh38Ap9hQ.jpg%3FHE%3D1000%252C1500%26ssi%3D1&amp;tbnid=2OR-1WeyPrCuM&amp;vet=12ahUKEwU7fq7-r-AhXMyCChdJb_jQMgRegUIARDFAQ:1&amp;imgrefurl=http%3A%3A%3F%3Fwww.filmier.com%3Fimdir%3Fah-pacino%3F&amp;docid=m4fNbPwVb2bIM&amp;w=1000&amp;h=1500&amp;q=A%3DPacino&amp;ved=2ahUKEwU7fq7-r-AhXMyCChdJb_jQMgRegUIARDFAQ</a>	25-Apr-1940	Al Pacino is an American actor and filmmaker.	American	180	<a href="https://twitter.com/AlPacino">https://twitter.com/AlPacino</a>
3	Christian	Bale	<a href="https://upload.wikimedia.org/wikipedia/commons/thumb/Q/Qs/Christian_Bale-7837.jpg/600px-Christian_Bale-7837.jpg">https://upload.wikimedia.org/wikipedia/commons/thumb/Q/Qs/Christian_Bale-7837.jpg/600px-Christian_Bale-7837.jpg</a>	30-Jan-1974	Christian Bale is a British actor known for his intense method acting and his ability to transform himself for roles.	British	183	<a href="https://twitter.com/christianbale">https://twitter.com/christianbale</a>
3 rows returned in 0.00 seconds <a href="#">Download</a>								