

THE PANDEMIC PASS-TIME



DATA MODELING PROJECT

SUMMER 2020

TEAM APRIL

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Introduction:

Cloud-based streaming services are gaining popularity among the broader customer base owing to enhanced accessibility of data. In addition, Asia Pacific and North America are the largest market for video streaming due to the rising popularity of over-the-top (OTT) solutions, increasing number of subscribers, increasing disposable income rates, increasing trend of remote mobile video streaming and increasing digitalization. Increasing technological advancements such as artificial intelligence and blockchain technology is the main driving force for this market to expand. Moreover, growing popularity of smartphones to view online video at remote locations is anticipated to push the market further.

Description:

The video entertainment world continues to evolve at an incredible pace to meet the high demands of the customers in today's digital space. For subscribers every month, hundreds of new videos, movies and TV shows are available for streaming on the various Over-the-Top media services like Netflix, Amazon Prime, Hulu etc. Keeping track of so many different streaming services can be challenging, particularly when we are interested in a variety of content. The project's goal is to create a database collection of the online video streaming services and their content using MySQL Workbench. This database covers a wide range of elements and allows users to search for any details relevant to a movie or a series, such as Genre, Ratings, Awards, Actors etc.

Scope:

The database consists of entities like STREAM, MOVIE, RATING, ARTIST, GENRE etc., The database is structured in a clear and effective way that keeping track of all the information at one place is easy for the viewer.



Requirements:

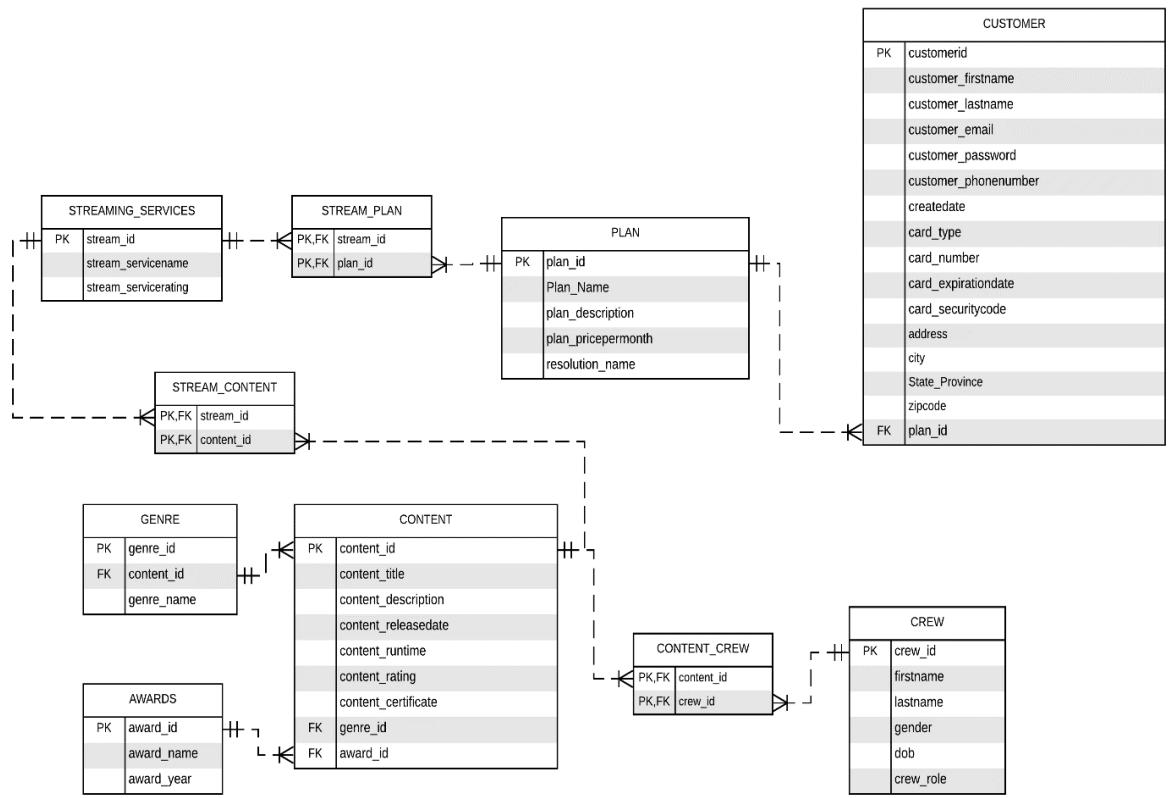
Users of this database can see any information relevant to a movie/show such as movie description, rating, runtime and other information which are attributed to a movie and genre for instance such as actors, director ,action and comedy etc., Users can also search for the top-rated movies/shows for a particular period from this database.

Business Rules:

- A customer can have one account, and one account can be owned by one customer.
- A customer can watch many streaming movies/series (Content) and a streaming movie/series (Content) can be watched by any number of customers.
- A movie/series (Content) can have many crew members, and a crew member can work in many movies/series (Content).
- A movie/series (Content) can be listed in one or more genres, and a genre can contain many movies/series (Content).
- A customer can have one plan type, but a plan type can be attributed to many customers.
- A movie/series (Content) can have any number of actors (Crew), and a actor (Crew) can be in any number of movies/series (Content).
- A movie/series (Content) can have one or more awards, and an award can be given to one or more movies/series (Content).
- A streaming service can have one or more plans, and a plan can be listed in one or more streaming service.
- A movie/series (Content) can have one-star rating, but one-star rating can be given to any number of movies/series (Content).



Entity Relationship Diagram:



Data Dictionary:

Table Name	Attribute Name	Description	Data Type	Format	Key	Reference
STREAMING_SERVICES	stream_id	Unique ID for Online Media Streaming Service	INT(1)	9	PK	
	stream_servicename	Name of Online Media Streaming Service	VARCHAR(30)	XXXXXXXX		
	stream_servicerating	Standard rating of the Online Media Streaming Service	FLOAT(1)	9.9		
STREAM_PLAN	stream_id	Unique ID for Online Media Streaming Service	INT(1)	9	PK,F K	STREAMING_SERVICES
	plan_id	Subscriptional Plan ID of Online Media Streaming Service	INT(3)	999	PK,F K	PLAN
STREAM_CONTENT	stream_id	Unique ID for Online Media Streaming Service	INT(1)	9	PK,F K	STREAMING_SERVICES
	content_id	Unique ID of Movie	INT(7)	9999999	PK,F K	CONTENT
CUSTOMER	customerid	Unique ID of Customer for Identification	INT(3)	999	PK	
	customer_firstname	First Name of Customer	VARCHAR(50)	XXXXXXXX		
	customer_lastname	Last Name of Customer	VARCHAR(50)	XXXXXXXX		
	customer_email	Email ID of Customer's Account	VARCHAR(50)	XXXXXXXX		
	customer_password	Password of Customer's Account	VARCHAR(15)	XXXXXXXX		
	customer_phonenumber	Phone number of Customer's Account	INT(10)	99999999		
	createdate	Date of creation of Customer's Account	DATE	DD_MMM_YY		
	card_type	Type of Card used for payment	VARCHAR(15)	XXXXXXXX		
	card_number	Card number used for payment	INT(16)	99999999		
	card_expirationdate	Expiry date of Card used for payment	DATE	DD_MMM_YY		
	card_securitycode	Security code of Card used for payment	INT(3)	999		
	address	The Address is given in this field	VARCHAR(100)	XXXXXXXX		



	city	Name of City of the customers Address	VARCHAR(50)	XXXXXXX		
	State_province	Name of State of the customers Address	VARCHAR(50)	XXXXXXX		
	zipcode	Zipcode for billing	INT(5)	99999		
	plan_id	Subscriptional Plan ID of Online Media Streaming Service	INT(3)	999	FK	PLAN
CONTENT	content_id	Unique ID of Movie	INT(7)	9999999	PK	
	content_title	Title of the Movie	VARCHAR(50)	XXXXXXX		
	content_description	Description of the Movie	VARCHAR(50)	XXXXXXX		
	content_releasedate	Dateof The Movie Realease	DATE	DD_MMM_YY		
	content_runtime	The Movie RunTime(Duration of The movie)	INT(3)	999		
	content_rating	Standard rating given to the Movie	INT(1)	9		
	content_certificate	Certificate given for the Movie like (A, U/A)	VARCHAR(4)	XXX		
	genre_id	Unique ID given for the Genre of the Movie	INT(6)	999999	FK	GENRE
	award_id	Unique ID given for the Award of the Movie	INT(6)	999999	FK	AWARDS
PLAN	plan_id	Subscriptional Plan ID of Online Media Streaming Service	INT(11)	99999	PK	
	plan_name	Subscriptional Plan Name of Online Media Streaming Ser	VARCHAR(20)	XXXXXXX		
	plan_description	Description of the Subscriptional plan	VARCHAR(50)	XXXXXXX		
	plan_pricepermonth	Price of the Subscriptional Plan Per Month	INT(5)	99999		
	resolution_name	The resolution of the movie that is available for the plan	VARCHAR(20)	XXXXXXX		
GENRE	genre_id	For Unique identification of the Genre	INT(6)	999999	PK	
	content_id	Unique identification for movie	INT(7)	9999999	FK	CONTENT
	genre_name	Name of the Genre	VARCHAR(50)	XXXXXX		

CREW	crew_id	For Unique identification of Actor	INT(3)	999	PK	
	firstname	First name of the Actor	VARCHAR(50)	XXXXXX		
	lastname	Last name of the Actor	VARCHAR(50)	XXXXXX		
	gender	Actor's Sex	VARCHAR(11)	XXXXXX		
	dob	Actor's Date of Birth	DATE	DD_MMM_YY		
	crew_role	Job	VARCHAR(50)	XXXXXX		
AWARDS	award_id	For Unique Identification of Awards	INT(6)	999999	PK	
	award_name	Name of the Award	VARCHAR(50)	XXXXXX		
	award_year	Year in which award was given	INT(4)	9999		
CONTENT_CREW	crew_id	For Unique identification of Crew	INT(3)	999	PK,F K	CREW
	content_id	Unique ID of Movie	INT(7)	9999999		

Table Creation:

- **Streaming_services:**

```
create table streaming_services (stream_id int, stream_servicename varchar(30), stream_servicerating float);
```
- **Stream_plan:**

```
create table stream_plan (stream_id int, plan_id int);
```
- **Stream_content:**

```
create table stream_content(stream_id int,content_id int);
```
- **Customer:**

```
create table customer(customerid int, customer_firstname varchar(50), customer_lastname varchar(50),customer_email varchar(50), customer_password varchar(15),customer_phonenumber int,createdate date,card_type varchar(15),card_number int,card_expirationdate date,card_securitycode int,address varchar(100),city varchar(50),state_province varchar(50),zipcode int,plan_id int);
```
- **Content:**

```
create table content (content_id int,content_title varchar(500),content_description varchar(500),content_releasedate date, content_runtime int,content_rating int,content_certificate varchar(4),genre_id int,award_id int);
```
- **Plan:**

```
create table plan (plan_id int, plan_name varchar(20),plan_description varchar(50),plan_pricepermonth int,resolution_name varchar(20));
```
- **Genre:**



- ```
create table genre (genre_id int,genre_name varchar(50),content_id int);
• Crew:
create table crew (crew_id int,firstname varchar(50),lastname varchar(50),gender
varchar(11),dob date,crew_role varchar(50));
• Awards:
create table awards (award_id int,award_name varchar(50), award_year int);
• Content_crew:
create table content_crew (crew_id int,content_id int);
```

The screenshot shows the Oracle Live SQL interface on a Mac OS X desktop. The window title is "Oracle Live SQL - SC". The URL in the address bar is "livesql.oracle.com/apex/f?p=590:1:26937825617629::NO:::". The main area is a "SQL Worksheet" tab, which contains the following SQL code:

```
1 create table streaming_services (stream_id int, stream_servicename varchar(30), stream_servicerating float);
2 create table stream_plan (stream_id int, plan_id int);
3 create table stream_content(stream_id int,content_id int);
4
5 create table customer(customerid int, customer_firstname varchar(50), customer_lastname varchar(50),customer_email varchar(50), customer_password varchar(15),
6 customer_phonenumber int,createdate date,card_type varchar(15),card_number int,card_expirationdate date,card_securitycode int,address varchar(100),city varchar(50)
7 ,state_province varchar(50),zipcode int,plan_id int);
8
9 create table content (content_id int,content_title varchar($00),content_description varchar($00),content_releasedate date, content_runtime int,content_rating int,
10 content_certificate varchar(4),genre_id int,award_id int);
11
12 create table plan (plan_id int, plan_name varchar(20),plan_description varchar(50),plan_pricepermonth int,resolution_name varchar(20));
13 create table genre (genre_id int,genre_name varchar(50),content_id int);
14 create table crew (crew_id int,firstname varchar(50),lastname varchar(50),gender varchar(11),dob date,crew_role varchar(50));
15 create table awards (award_id int,award_name varchar(50), award_year int);
16 create table content_crew (crew_id int,content_id int);
```

The output pane below the worksheet shows the results of the table creations:

```
Table created.
Table created.
Table created.
Table created.
Table created.
Table created.
```

At the bottom of the interface, there is a footer with copyright information and a toolbar with various application icons.

### Inserting data into the tables:

#### ***streaming\_services***

insert all

```
into streaming_services (stream_id , stream_servicename, stream_servicerating) values
('1','Netflix','4.4')
```

```
into streaming_services (stream_id , stream_servicename, stream_servicerating) values
('2','Amazon prime video','4.1')
```

```
into streaming_services (stream_id , stream_servicename, stream_servicerating) values
('3','Hulu','3.9')
```

```
select * from dual;
```

```
select * from streaming_services order by stream_id asc;
```

| STREAM_ID | STREAM_SERVICENAME | STREAM_SERVICERATING |
|-----------|--------------------|----------------------|
| 1         | Netflix            | 4.4                  |
| 2         | Amazon prime video | 4.1                  |
| 3         | Hulu               | 3.9                  |

[Download CSV](#)

3 rows selected.



The screenshot shows the Oracle Live SQL interface. In the SQL Worksheet, the following SQL code is run:

```

1 insert all
2 into streaming_services (stream_id , stream_servicename, stream_servicerating) values ('1','Netflix','4.4')
3 into streaming_services (stream_id , stream_servicename, stream_servicerating) values ('2','Amazon prime video','4.1')
4 into streaming_services (stream_id , stream_servicename, stream_servicerating) values ('3','Hulu','3.9')
5 select * from dual;
6 select * from streaming_services order by stream_id asc;

```

The output shows 3 row(s) inserted, and the resulting table:

| STREAM_ID | STREAM_SERVICENAME | STREAM_SERVICERATING |
|-----------|--------------------|----------------------|
| 1         | Netflix            | 4.4                  |
| 2         | Amazon prime video | 4.1                  |
| 3         | Hulu               | 3.9                  |

[Download CSV](#)

3 rows selected.

At the bottom, the Oracle Integrated Cloud Applications & Platform Services logo is visible along with copyright and version information.

### stream\_plan

```

insert into stream_plan (stream_id , plan_id) values ('1','101');
insert into stream_plan (stream_id , plan_id) values ('2','102');
insert into stream_plan (stream_id , plan_id) values ('3','103');
select * from stream_plan;

```

| STREAM_ID | PLAN_ID |
|-----------|---------|
| 1         | 101     |
| 2         | 102     |
| 3         | 103     |

[Download CSV](#)

3 rows selected.



The screenshot shows the Oracle Live SQL interface. In the SQL Worksheet, the following SQL code is run:

```

1 insert into stream_plan (stream_id , plan_id) values ('1','101');
2 insert into stream_plan (stream_id , plan_id) values ('2','102');
3 insert into stream_plan (stream_id , plan_id) values ('3','103');
4 select * from stream_plan;

```

The output shows the results of the insertions and a table dump:

```

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

Download CSV
3 rows selected.

```

| STREAM_ID | PLAN_ID |
|-----------|---------|
| 1         | 101     |
| 2         | 102     |
| 3         | 103     |

At the bottom, the status bar indicates: © 2020 Oracle Corporation - Privacy · Terms of Use · Oracle Learning Library · Ask Tom · Dev Gym · Database Doc 19c , 18c , 12c · Follow on Twitter · Live SQL 20.2.2, running Oracle Database 19c Enterprise Edition - 19.5.0.0.0 · Built with ❤ using Oracle APEX.

### ***stream\_content***

insert all

```

into stream_content (stream_id,content_id) values ('1','5601001')
into stream_content (stream_id,content_id) values ('2','5601002')
into stream_content (stream_id,content_id) values ('3','5601003')
into stream_content (stream_id,content_id) values ('2','5601004')
into stream_content (stream_id,content_id) values ('1','5601005')
into stream_content (stream_id,content_id) values ('1','5601006')
into stream_content (stream_id,content_id) values ('3','5601007')
into stream_content (stream_id,content_id) values ('2','5601008')
into stream_content (stream_id,content_id) values ('3','5601009')
into stream_content (stream_id,content_id) values ('1','5601010')
select * from dual;

```

select \* from stream\_content;

| STREAM_ID | CONTENT_ID |
|-----------|------------|
| 1         | 5601001    |
| 2         | 5601002    |
| 3         | 5601003    |
| 2         | 5601004    |
| 1         | 5601005    |
| 1         | 5601006    |
| 3         | 5601007    |
| 2         | 5601008    |
| 3         | 5601009    |
| 1         | 5601010    |

Download CSV

10 rows selected.



The screenshot shows the Oracle Live SQL interface on a Mac OS X desktop. The window title is "Live SQL". The left sidebar includes "Home", "SQL Worksheet" (selected), "My Session", "Schema", "Quick SQL", "My Scripts", "My Tutorials", and "Code Library". The main area has tabs for "SQL Worksheet" and "Results". The SQL Worksheet tab contains the following code:

```

1 insert all
2 into stream_content (stream_id,content_id) values ('1','5601001')
3 into stream_content (stream_id,content_id) values ('2','5601002')
4 into stream_content (stream_id,content_id) values ('3','5601003')
5 into stream_content (stream_id,content_id) values ('2','5601004')
6 into stream_content (stream_id,content_id) values ('1','5601005')
7 into stream_content (stream_id,content_id) values ('1','5601006')
8 into stream_content (stream_id,content_id) values ('3','5601007')
9 into stream_content (stream_id,content_id) values ('2','5601008')
10 into stream_content (stream_id,content_id) values ('3','5601009')
11 into stream_content (stream_id,content_id) values ('1','5601010')
12 select * from dual;
13 select * from stream_content;

```

The Results tab displays a table with two columns: "STREAM\_ID" and "CONTENT\_ID". The data is as follows:

| STREAM_ID | CONTENT_ID |
|-----------|------------|
| 1         | 5601001    |
| 2         | 5601002    |
| 3         | 5601003    |
| 2         | 5601004    |
| 1         | 5601005    |
| 1         | 5601006    |
| 3         | 5601007    |
| 2         | 5601008    |
| 3         | 5601009    |
| 1         | 5601010    |

At the bottom of the interface, there is a footer with copyright information and a toolbar with various application icons.

### *customer*

```

insert all
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('301','Eugene','christ','Eugene@gmail.com','*****','5716978469','01-OCT-15','debit','1234567890123456','11-JAN-22','123','28 Campfire St.','North Augusta','SC','29841','101')
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('302','Jacob','smith','Jacob@gmail.com','*****','5726513452','10-MAR-15','credit','2673949283912674','10-MAR-23','652','9278 Beach St.','Hanover','PA','17331','103')
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('303','Rafael','john','Rafael@gmail.com','*****','8735142563','10-MAR-16','debit','2784656286473521','10-MAY-25','761','83 High Noon St.','Yuma','AZ','85365','102')
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('304','Ben','dime','Ben@gmail.com','*****','5716283746','13-APR-13','credit','8925637183562173','23-JUN-21','637','31 Inverness St.','Grovetown','GA','30813','102')
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('305','Abdullah','shaik','Abdullah@gmail.com','*****','5716359840','31-DEC-18','credit','7892027839927993','10-JAN-23','925','938 Marlborough Street','Hempstead','NY','11550','103')

```



```

into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('306','John','Nicolas','johnic@gmail.com','*****','5587368885','03-JUL-16','debit','4391234578674435','01-NOV-23','155','18 Fry St.','Denton ','TX', '76201','101')
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('307','Teresa','Olivarez','teroli@gmail.com','*****','2316478966','06-MAY-15','debit','2231445644738897','13-JAN-22','888','22 Colorado St.', 'Irving', 'VA', '76403','103')
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('308','Jenna','Ledford','jenled@gmail.com','*****','9406596675','20-DEC-14','credit','9122546623890065','14-OCT-21','166','2 Avenue St.', 'Plano', 'DC', '56793','102')
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('309','Rachelle','Lambart','rachlam@gmail.com','*****','2813457765','04-FEB-13','debit','3155980754673345','01-DEC-21','966','7 Oak St.', 'Frisco', 'TS', '89647','102')
into customer (customerid, customer_firstname, customer_lastname, customer_email,
customer_password,customer_phonenumber,createdate,card_type,card_number,card_expirationdate,card_securitycode,address,city,state_province,zipcode,plan_id) values
('310','Jaya','Gullapalli','jayagu@gmail.com','*****','5748978469','01-NOV-16','credit','6754998756432210','10-MAY-23','866','31 Boulevard St.', 'Lewisville', 'CA', '35672','101')
select * from dual;
select * from customer;

```

10 row(s) inserted.

| CUSTOMERID | CUSTOMER_FIRSTNAME | CUSTOMER_LASTNAME | CUSTOMER_EMAIL     | CUSTOMER_PASSWORD | CUSTOMER_PHONENUMBER | CREATEDATE | CARD_TYPE | CARD_NUMBER      | CARD_EXPIRATIONDATE | CARD_SECURITYCODE    |
|------------|--------------------|-------------------|--------------------|-------------------|----------------------|------------|-----------|------------------|---------------------|----------------------|
| 301        | Eugene             | christ            | Eugene@gmail.com   | *****             | 5716978469           | 01-OCT-15  | debit     | 1234567890123456 | 11-JAN-22           | 1234567890123456     |
| 302        | Jacob              | smith             | Jacob@gmail.com    | *****             | 5726513452           | 10-MAR-15  | credit    | 2673949283912674 | 10-MAR-23           | 65432109876543210    |
| 303        | Rafael             | john              | Rafael@gmail.com   | *****             | 8735142563           | 10-MAR-16  | debit     | 2784656286473521 | 10-MAY-25           | 765432109876543210   |
| 304        | Ben                | dime              | Ben@gmail.com      | *****             | 5716283746           | 13-APR-13  | credit    | 8925637183562173 | 23-JUN-21           | 632109876543210      |
| 305        | Abdullah           | shaik             | Abdullah@gmail.com | *****             | 5716359840           | 31-DEC-18  | credit    | 7892027839927993 | 10-JAN-23           | 92109876543210       |
| 306        | John               | Nicolas           | johnic@gmail.com   | *****             | 5587368885           | 03-JUL-16  | debit     | 4391234578674435 | 01-NOV-23           | 15432109876543210    |
| 307        | Teresa             | Olivarez          | teroli@gmail.com   | *****             | 2316478966           | 06-MAY-15  | debit     | 2231445644738897 | 13-JAN-22           | 88765432109876543210 |
| 308        | Jenna              | Ledford           | jenled@gmail.com   | *****             | 9406596675           | 20-DEC-14  | credit    | 9122546623890065 | 14-OCT-21           | 165432109876543210   |
| 309        | Rachelle           | Lambart           | rachlam@gmail.com  | *****             | 2813457765           | 04-FEB-13  | debit     | 3155980754673345 | 01-DEC-21           | 965432109876543210   |
| 310        | Jaya               | Gullapalli        | jayagu@gmail.com   | *****             | 5748978469           | 01-NOV-16  | credit    | 6754998756432210 | 10-MAY-23           | 865432109876543210   |

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10 rows selected.

| CARD_SECURITYCODE | ADDRESS                | CITY          | STATE_PROVINCE | ZIPCODE | PLAN_ID |
|-------------------|------------------------|---------------|----------------|---------|---------|
| 123               | 28 Campfire St.        | North Augusta | SC             | 29841   | 101     |
| 652               | 9278 Beach St.         | Hanover       | PA             | 17331   | 103     |
| 761               | 83 High Noon St.       | Yuma          | AZ             | 85365   | 102     |
| 637               | 31 Inverness St.       | Grovetown     | GA             | 30813   | 102     |
| 925               | 938 Marlborough Street | Hempstead     | NY             | 11550   | 103     |
| 155               | 18 Fry St.             | Denton        | TX             | 76201   | 101     |
| 888               | 22 Colorado St.        | Irving        | VA             | 76403   | 103     |
| 166               | 2 Avenue St.           | Plano         | DC             | 56793   | 102     |
| 966               | 7 Oak St.              | Frisco        | TS             | 89647   | 102     |
| 866               | 31 Boulevard St.       | Lewisville    | CA             | 35672   | 101     |



The screenshot shows the Oracle Live SQL interface. On the left, there's a sidebar with navigation links like Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet". It contains a code editor with the following SQL script:

```

1 insert all
2 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
3 values ('301','Eugene','christ','Eugene@gmail.com','*****','5716978469','01-OCT-15','debit','1234567890123456','11-JAN-22','123','28 Campfire St. ','North August
4 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
5 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
6 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
7 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
8 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
9 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
10 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
11 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
12 into customer (customerid, customer_firstname, customer_lastname, customer_email, customer_password, customer_phonenumber, createdate, card_type, card_number, card_expir
13 select * from dual;
14 select * from customer;

```

Below the code editor is a table with columns: CUSTOMERID, CUSTOMER\_FIRSTNAME, CUSTOMER\_LASTNAME, CUSTOMER\_EMAIL, CUSTOMER\_PASSWORD, CUSTOMER\_PHONENUMBER, CREATEDATE, CARD\_TYPE, CARD\_NUMBER, CARD\_EXPIRATIONDATE, and CARD\_EXPIRATIONTIME. The table contains 6 rows of data, corresponding to the inserted customers. At the bottom of the interface, there's a footer with copyright information and a toolbar with various application icons.

## Content

insert all

into content (content\_id, content\_title, content\_description, content\_releasedate, content\_runtime, content\_rating, content\_certificate, genre\_id, award\_id) values ('5601001', 'Guardians of the Galaxy', 'A group of intergalactic criminals are forced to work together to stop a fanatical warrior from taking control of the universe', '01-Aug-14', '125', '8', '12 A', '113012', '928014')

into content (content\_id, content\_title, content\_description, content\_releasedate, content\_runtime, content\_rating, content\_certificate, genre\_id, award\_id) values ('5601002', 'Prometheus', 'Following clues to the origin of mankind, a team finds a structure on a distant moon, but they soon realize they are not alone.', '08-Jun-12', '124', '7', '12 A', '113012', '928015')

into content (content\_id, content\_title, content\_description, content\_releasedate, content\_runtime, content\_rating, content\_certificate, genre\_id, award\_id) values ('5601003', 'Split', 'Three girls are kidnapped by a man with a diagnosed 23 distinct personalities. They must try to escape before the apparent emergence of a frightful new 24th.', '19-Jan-17', '117', '7', '15', '113003', '928006')

into content (content\_id, content\_title, content\_description, content\_releasedate, content\_runtime, content\_rating, content\_certificate, genre\_id, award\_id) values ('5601004', 'Sing', 'In a city of humanoid animals, a hustling theater impresarios attempt to save his theater with a singing competition becomes grander than he anticipates even as its finalists find that their lives will never be the same.', '21-Dec-16', '114', '7', '12 A', '113010', '928004')

into content (content\_id, content\_title, content\_description, content\_releasedate, content\_runtime, content\_rating, content\_certificate, genre\_id, award\_id) values ('5601005', 'Suicide Squad', 'A secret government agency recruits some of the most dangerous incarcerated super-villains to form a defensive task force. Their first mission: save the world from the apocalypse.', '5-Aug-16', '137', '6', '15', '113001', '928006')

Select \* from dual;

Select \* from content;



5 row(s) inserted.

| CONTENT_ID | CONTENT_TITLE           | CONTENT_DESCRIPTION                                                                                                                                                                                                          | CONTENT_RELEASEDATE | CONTENT_RUNTIME | CONTENT_RATING | CONTENT_CERTIFICATE | GENRE_ID | AWARD_ID |
|------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|----------------|---------------------|----------|----------|
| 5601001    | Guardians of the Galaxy | A group of intergalactic criminals are forced to work together to stop a fanatical warrior from taking control of the universe                                                                                               | 01-AUG-14           | 125             | 8              | 12 A                | 113012   | 928014   |
| 5601002    | Prometheus              | Following clues to the origin of mankind, a team finds a structure on a distant moon, but they soon realize they are not alone.                                                                                              | 08-JUN-12           | 124             | 7              | 12 A                | 113012   | 928015   |
| 5601003    | Split                   | Three girls are kidnapped by a man with a diagnosed 23 distinct personalities. They must try to escape before the apparent emergence of a frightful new 24th.                                                                | 19-JAN-17           | 117             | 7              | 15                  | 113003   | 928006   |
| 5601004    | Sing                    | In a city of humanoid animals, a hustling theater impresarios attempt to save his theater with a singing competition becomes grander than he anticipates even as its finalists find that their lives will never be the same. | 21-DEC-16           | 114             | 7              | 12 A                | 113010   | 928004   |
| 5601005    | Suicide Squad           | A secret government agency recruits some of the most dangerous incarcerated super-villains to form a defensive task force. Their first mission: save the world from the apocalypse.                                          | 05-AUG-16           | 137             | 6              | 15                  | 113001   | 928006   |

[Download CSV](#)

5 rows selected.

The screenshot shows the Oracle Live SQL interface. On the left, there's a sidebar with navigation links like Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet". It contains a code editor with the following SQL insert statements:

```

1 insert all
2 into content (content_id, content_title,content_description ,content_releasedate, content_runtime,content_rating,content_certificate,genre_id ,award_id)
3 values ('5601001', 'Guardians of the Galaxy', 'A group of intergalactic criminals are forced to work together to stop a fanatical warrior from taking control of the universe')
4 into content (content_id, content_title,content_description ,content_releasedate, content_runtime,content_rating,content_certificate,genre_id ,award_id) values ('5601002', 'Prometheus', 'Following clues to the origin of mankind, a team finds a structure on a distant moon, but they soon realize they are not alone.')
5 into content (content_id, content_title,content_description ,content_releasedate, content_runtime,content_rating,content_certificate,genre_id ,award_id) values ('5601003', 'Split', 'Three girls are kidnapped by a man with a diagnosed 23 distinct personalities. They must try to escape before the apparent emergence of a frightful new 24th.')
6 into content (content_id, content_title,content_description ,content_releasedate, content_runtime,content_rating,content_certificate,genre_id ,award_id) values ('5601004', 'Sing', 'In a city of humanoid animals, a hustling theater impresarios attempt to save his theater with a singing competition becomes grander than he anticipates even as its finalists find that their lives will never be the same.')
7 into content (content_id, content_title,content_description ,content_releasedate, content_runtime,content_rating,content_certificate,genre_id ,award_id) values ('5601005', 'Suicide Squad', 'A secret government agency recruits some of the most dangerous incarcerated super-villains to form a defensive task force. Their first mission: save the world from the apocalypse.')
8 Select * from dual;
9 Select * from content;

```

Below the code editor is a table with the same data as the previous screenshot, showing five rows of movie information. The table has columns: CONTENT\_ID, CONTENT\_TITLE, CONTENT\_DESCRIPTION, CONTENT\_RELEASEDATE, CONTENT\_RUNTIME, CONTENT\_RATING, CONTENT\_CERTIFICATE, GENRE\_ID, and AWARD\_ID.

## plan

insert all

insert all

into plan (plan\_id, plan\_name, plan\_description ,plan\_pricepermonth, resolution\_name) values ('101', 'Basic', 'Number of screens at once is 1', '9', 'SD')

into plan (plan\_id, plan\_name, plan\_description ,plan\_pricepermonth, resolution\_name) values ('102', 'Standard', 'Number of screens at once is 2', '13', 'HD')

into plan (plan\_id, plan\_name, plan\_description ,plan\_pricepermonth, resolution\_name) values ('103', 'Premium', 'Number of screens at once is 4', '16', 'HD + Ultra HD')

select \* from dual;

select \* from plan;

| PLAN_ID | PLAN_NAME | PLAN_DESCRIPTION               | PLAN_PRICEPERMONTH | RESOLUTION_NAME |
|---------|-----------|--------------------------------|--------------------|-----------------|
| 101     | Basic     | Number of screens at once is 1 | 9                  | SD              |
| 102     | Standard  | Number of screens at once is 2 | 13                 | HD              |
| 103     | Premium   | Number of screens at once is 4 | 16                 | HD + Ultra HD   |

[Download CSV](#)

3 rows selected.



The screenshot shows the Oracle Live SQL interface. In the SQL Worksheet, the following SQL code was run:

```

1 insert all
2 into plan (plan_id, plan_name, plan_description ,plan_pricepermonth, resolution_name) values ('101','Basic', 'Number of screens at once is 1', '9', 'SD')
3 into plan (plan_id, plan_name, plan_description ,plan_pricepermonth, resolution_name) values ('102','Standard', 'Number of screens at once is 2', '13', 'HD')
4 into plan (plan_id, plan_name, plan_description ,plan_pricepermonth, resolution_name) values ('103','Premium', 'Number of screens at once is 4', '16', 'HD + Ultra HD')
5 select * from dual;
6 select * from plan;

```

The output shows 3 row(s) inserted, and the resulting data is displayed in a table:

| PLAN_ID | PLAN_NAME | PLAN_DESCRIPTION               | PLAN_PRICEPERMONTH | RESOLUTION_NAME |
|---------|-----------|--------------------------------|--------------------|-----------------|
| 101     | Basic     | Number of screens at once is 1 | 9                  | SD              |
| 102     | Standard  | Number of screens at once is 2 | 13                 | HD              |
| 103     | Premium   | Number of screens at once is 4 | 16                 | HD + Ultra HD   |

At the bottom, there is a note: "Download CSV 3 rows selected."

## Genre

insert all

```

into genre (genre_id,genre_name,content_id) values (113001,'Action', 5601001)
into genre (genre_id,genre_name,content_id) values (113002,'Drama',5601002)
into genre (genre_id,genre_name,content_id) values (113003,'Horror',5601003)
into genre (genre_id,genre_name,content_id) values (113004,'Adventure',5601004)
into genre (genre_id,genre_name,content_id) values (113005,'Fantasy',5601005)
into genre (genre_id,genre_name,content_id) values (113006,'Romance',5601006)
into genre (genre_id,genre_name,content_id) values (113007,'Thriller',5601007)
into genre (genre_id,genre_name,content_id) values (113008,'Crime film',5601008)
into genre (genre_id,genre_name,content_id) values (113009,'Mystery',5601009)
into genre (genre_id,genre_name,content_id) values (113010,'Romantic Comedy',5601010)
into genre (genre_id,genre_name,content_id) values (113011,'Animation',5601011)
into genre (genre_id,genre_name,content_id) values (113012,'Science Fiction',5601012)
into genre (genre_id,genre_name,content_id) values (113013,'Documentary',5601013)
into genre (genre_id,genre_name,content_id) values (113014,'Biographical',5601014)
into genre (genre_id,genre_name,content_id) values (113015,'Comedy',5601015)
into genre (genre_id,genre_name,content_id) values (113016,'Zombie',5601016)
select * from dual;
select * from genre;

```



16 row(s) inserted.

| GENRE_ID | GENRE_NAME      | CONTENT_ID |
|----------|-----------------|------------|
| 113001   | Action          | 5601001    |
| 113002   | Drama           | 5601002    |
| 113003   | Horror          | 5601003    |
| 113004   | Adventure       | 5601004    |
| 113005   | Fantasy         | 5601005    |
| 113006   | Romance         | 5601006    |
| 113007   | Thriller        | 5601007    |
| 113008   | Crime film      | 5601008    |
| 113009   | Mystery         | 5601009    |
| 113010   | Romantic Comedy | 5601010    |
| 113011   | Animation       | 5601011    |
| 113012   | Science Fiction | 5601012    |
| 113013   | Documentary     | 5601013    |
| 113014   | Biographical    | 5601014    |
| 113015   | Comedy          | 5601015    |
| 113016   | Zombie          | 5601016    |

[Download CSV](#)

16 rows selected.

The screenshot shows the Oracle Live SQL interface. On the left, there's a sidebar with navigation links like Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area has tabs for Home, SQL Worksheet, and Results. In the SQL Worksheet tab, the following SQL code is visible:

```
1 insert all
2 into genre (genre_id,genre_name,content_id) values (113001,'Action', 5601001)
3 into genre (genre_id,genre_name,content_id) values (113002,'Drama', 5601002)
4 into genre (genre_id,genre_name,content_id) values (113003,'Horror', 5601003)
5 into genre (genre_id,genre_name,content_id) values (113004,'Adventure', 5601004)
6 into genre (genre_id,genre_name,content_id) values (113005,'Fantasy', 5601005)
7 into genre (genre_id,genre_name,content_id) values (113006,'Romance', 5601006)
8 into genre (genre_id,genre_name,content_id) values (113007,'Thriller', 5601007)
9 into genre (genre_id,genre_name,content_id) values (113008,'Crime film', 5601008)
10 into genre (genre_id,genre_name,content_id) values (113009,'Mystery', 5601009)
11 into genre (genre_id,genre_name,content_id) values (113010,'Romantic Comedy', 5601010)
12 into genre (genre_id,genre_name,content_id) values (113011,'Animation', 5601011)
13 into genre (genre_id,genre_name,content_id) values (113012,'Science Fiction', 5601012)
14 into genre (genre_id,genre_name,content_id) values (113013,'Documentary', 5601013)
15 into genre (genre_id,genre_name,content_id) values (113014,'Biographical', 5601014)
16 into genre (genre_id,genre_name,content_id) values (113015,'Comedy', 5601015)
17 into genre (genre_id,genre_name,content_id) values (113016,'Zombie', 5601016)
18 select * from dual;
19 select * from genre;
```

Below the code, the Results tab displays the data from the 'genre' table:

| GENRE_ID | GENRE_NAME | CONTENT_ID |
|----------|------------|------------|
| 113001   | Action     | 5601001    |
| 113002   | Drama      | 5601002    |
| 113003   | Horror     | 5601003    |
| 113004   | Adventure  | 5601004    |
| 113005   | Fantasy    | 5601005    |
| 113006   | Romance    | 5601006    |
| 113007   | Thriller   | 5601007    |

At the bottom, there's a footer with copyright information and a clapperboard icon.

## Crew

insert all

```
into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10001', 'Lilia', 'Adam', 'F', '12-Jan-96', 'Actor')
into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10002', 'Rafael', 'Hoover', 'F', '22-Jan-90', 'Actor')
into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10003', 'Anderson', 'Ayers', 'M', '22-Mar-99', 'Director')
```



```

into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10004', 'Remi', 'Watt', 'M',
'14-Dec-89', 'Cinematographer')
into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10005', 'Soren', 'Valdez',
'M', '09-Apr-62', 'Music Director')
into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10006', 'Brent', 'Kaur', 'F',
'11-Oct-79', 'Camera Man')
select * from dual;
select * from crew;
6 row(s) inserted.

```

| CREW_ID | FIRSTNAME | LASTNAME | GENDER | DOB       | CREW_ROLE       |
|---------|-----------|----------|--------|-----------|-----------------|
| 10001   | Lilia     | Adam     | F      | 12-JAN-96 | Actor           |
| 10002   | Rafael    | Hoover   | F      | 22-JAN-90 | Actor           |
| 10003   | Anderson  | Ayers    | M      | 22-MAR-99 | Director        |
| 10004   | Remi      | Watt     | M      | 14-DEC-89 | Cinematographer |
| 10005   | Soren     | Valdez   | M      | 09-APR-62 | Music Director  |
| 10006   | Brent     | Kaur     | F      | 11-OCT-79 | Camera Man      |

[Download CSV](#)

6 rows selected.

The screenshot shows the Oracle Live SQL interface running on a Mac OS X desktop. The window title is "Oracle Live SQL - SQL Worksheet". The main area displays the following SQL code:

```

1 insert all
2 into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10001', 'Lilia', 'Adam', 'F', '12-Jan-96', 'Actor')
3 into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10002', 'Rafael', 'Hoover', 'F', '22-Jan-90', 'Actor')
4 into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10003', 'Anderson', 'Ayers', 'M', '22-Mar-99', 'Director')
5 into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10004', 'Remi', 'Watt', 'M', '14-Dec-89', 'Cinematographer')
6 into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10005', 'Soren', 'Valdez', 'M', '09-Apr-62', 'Music Director')
7 into crew (crew_id ,firstname ,lastname ,gender, dob, crew_role) values ('10006', 'Brent', 'Kaur', 'F', '11-Oct-79', 'Camera Man')
8 select * from dual;
9 select * from crew;

```

Below the code, it says "6 row(s) inserted." and shows the same data table as the previous screenshot. There is also a "Download CSV" link.

The bottom of the interface shows the Oracle logo and "Integrated Cloud Applications & Platform Services". The status bar at the bottom of the screen indicates "Fri 11:30 PM" and battery level "71%".

## Awards

insert all

```

into awards (award_id ,award_name ,award_year) values ('928001','Best Actor', '1989')
into awards (award_id ,award_name ,award_year) values ('928002','Best Actress','2000')
into awards (award_id ,award_name ,award_year) values ('928003','Best Adapted
Screenplay','1988')
into awards (award_id ,award_name ,award_year) values ('928004','Best Original
Screenplay','2002')
into awards (award_id ,award_name ,award_year) values ('928005','Best Animated Feature
Film','2005')

```



```

into awards (award_id ,award_name , award_year) values ('928006','Best Cinematography','2001')
into awards (award_id ,award_name , award_year) values ('928007','Best Costume Design','2010')
into awards (award_id ,award_name , award_year) values ('928008','Best Director','2007')
into awards (award_id ,award_name , award_year) values ('928009','Best Film Editing','2015')
into awards (award_id ,award_name , award_year) values ('928010','Best Production Design','2017')
into awards (award_id ,award_name , award_year) values ('928011','Best Original Score','2009')
into awards (award_id ,award_name , award_year) values ('928012','Best Original Song','2019')
into awards (award_id ,award_name , award_year) values ('928013','Best Sound','1990')
into awards (award_id ,award_name , award_year) values ('928014','Best Special Effects','1995')
into awards (award_id ,award_name , award_year) values ('928015','Best Supporting Actor','2003')
into awards (award_id ,award_name , award_year) values ('928016','Best Supporting Actress','2019')
select * from dual;
select * from awards;

```

| AWARD_ID | AWARD_NAME                 | AWARD_YEAR |
|----------|----------------------------|------------|
| 928001   | Best Actor                 | 1989       |
| 928002   | Best Actress               | 2000       |
| 928003   | Best Adapted Screenplay    | 1988       |
| 928004   | Best Original Screenplay   | 2002       |
| 928005   | Best Animated Feature Film | 2005       |
| 928006   | Best Cinematography        | 2001       |
| 928007   | Best Costume Design        | 2010       |
| 928008   | Best Director              | 2007       |
| 928009   | Best Film Editing          | 2015       |
| 928010   | Best Production Design     | 2017       |
| 928011   | Best Original Score        | 2009       |
| 928012   | Best Original Song         | 2019       |
| 928013   | Best Sound                 | 1990       |
| 928014   | Best Special Effects       | 1995       |
| 928015   | Best Supporting Actor      | 2003       |
| 928016   | Best Supporting Actress    | 2019       |

[Download CSV](#)

16 rows selected.

The screenshot shows the Oracle Live SQL - SQL Worksheet interface. The top navigation bar includes Chrome, File, Edit, View, History, Bookmarks, People, Tab, Window, Help, and a search bar. The main area has tabs for Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The SQL Worksheet tab is active, displaying the following SQL code:

```

1 insert all
2 into awards (award_id ,award_name , award_year) values ('928001','Best Actor', '1989')
3 into awards (award_id ,award_name , award_year) values ('928002','Best Actress', '2000')
4 into awards (award_id ,award_name , award_year) values ('928003','Best Adapted Screenplay', '1988')
5 into awards (award_id ,award_name , award_year) values ('928004','Best Original Screenplay', '2002')
6 into awards (award_id ,award_name , award_year) values ('928005','Best Animated Feature Film', '2005')
7 into awards (award_id ,award_name , award_year) values ('928006','Best Cinematography', '2001')
8 into awards (award_id ,award_name , award_year) values ('928007','Best Costume Design', '2010')
9 into awards (award_id ,award_name , award_year) values ('928008','Best Director', '2007')
10 into awards (award_id ,award_name , award_year) values ('928009','Best Film Editing', '2015')
11 into awards (award_id ,award_name , award_year) values ('928010','Best Production Design', '2017')
12 into awards (award_id ,award_name , award_year) values ('928011','Best Original Score', '2009')
13 into awards (award_id ,award_name , award_year) values ('928012','Best Original Song', '2019')
14 into awards (award_id ,award_name , award_year) values ('928013','Best Sound', '1990')
15 into awards (award_id ,award_name , award_year) values ('928014','Best Special Effects', '1995')
16 into awards (award_id ,award_name , award_year) values ('928015','Best Supporting Actor', '2003')
17 into awards (award_id ,award_name , award_year) values ('928016','Best Supporting Actress', '2019')
18 select * from dual;
19 select * from awards;

```

Below the code, the resulting table is displayed:

| AWARD_ID | AWARD_NAME                 | AWARD_YEAR |
|----------|----------------------------|------------|
| 928001   | Best Actor                 | 1989       |
| 928002   | Best Actress               | 2000       |
| 928003   | Best Adapted Screenplay    | 1988       |
| 928004   | Best Original Screenplay   | 2002       |
| 928005   | Best Animated Feature Film | 2005       |
| 928006   | Best Cinematography        | 2001       |
| 928007   | Best Costume Design        | 2010       |

At the bottom, there is a footer with links to Oracle Corporation Privacy Terms of Use, Integrated Cloud Applications & Platform Services, and a note about the version of Oracle Database and APEX used.



### **content\_crew**

insert all

```
into content_crew (crew_id,content_id) values ('10001','5601001')
into content_crew (crew_id,content_id) values ('10002','5601002')
into content_crew (crew_id,content_id) values ('10003','5601003')
into content_crew (crew_id,content_id) values ('10004','5601004')
into content_crew (crew_id,content_id) values ('10005','5601005')
into content_crew (crew_id,content_id) values ('10006','5601006')
into content_crew (crew_id,content_id) values ('10001','5601007')
into content_crew (crew_id,content_id) values ('10003','5601008')
into content_crew (crew_id,content_id) values ('10004','5601009')
into content_crew (crew_id,content_id) values ('10006','5601010')
select * from dual;
select * from content_crew;
```

| CREW_ID | CONTENT_ID |
|---------|------------|
| 501201  | 5601001    |
| 501202  | 5601002    |
| 501203  | 5601003    |
| 501204  | 5601004    |
| 501205  | 5601005    |
| 501206  | 5601006    |
| 501207  | 5601007    |
| 501208  | 5601008    |
| 501209  | 5601009    |
| 501210  | 5601010    |

[Download CSV](#)

10 rows selected.

The screenshot shows the Oracle Live SQL interface. On the left, there's a sidebar with navigation links like Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet". It contains the following SQL code:

```
1 insert all
2 into content_crew (crew_id,content_id) values ('10001','5601001')
3 into content_crew (crew_id,content_id) values ('10002','5601002')
4 into content_crew (crew_id,content_id) values ('10003','5601003')
5 into content_crew (crew_id,content_id) values ('10004','5601004')
6 into content_crew (crew_id,content_id) values ('10005','5601005')
7 into content_crew (crew_id,content_id) values ('10006','5601006')
8 into content_crew (crew_id,content_id) values ('10001','5601007')
9 into content_crew (crew_id,content_id) values ('10003','5601008')
10 into content_crew (crew_id,content_id) values ('10004','5601009')
11 into content_crew (crew_id,content_id) values ('10006','5601010')
12 select * from dual;
13 select * from content_crew;
```

Below the code, a table titled "content\_crew" is displayed with the following data:

| CREW_ID | CONTENT_ID |
|---------|------------|
| 10001   | 5601001    |
| 10002   | 5601002    |
| 10003   | 5601003    |
| 10004   | 5601004    |
| 10005   | 5601005    |
| 10006   | 5601006    |
| 10001   | 5601007    |
| 10003   | 5601008    |
| 10004   | 5601009    |
| 10006   | 5601010    |

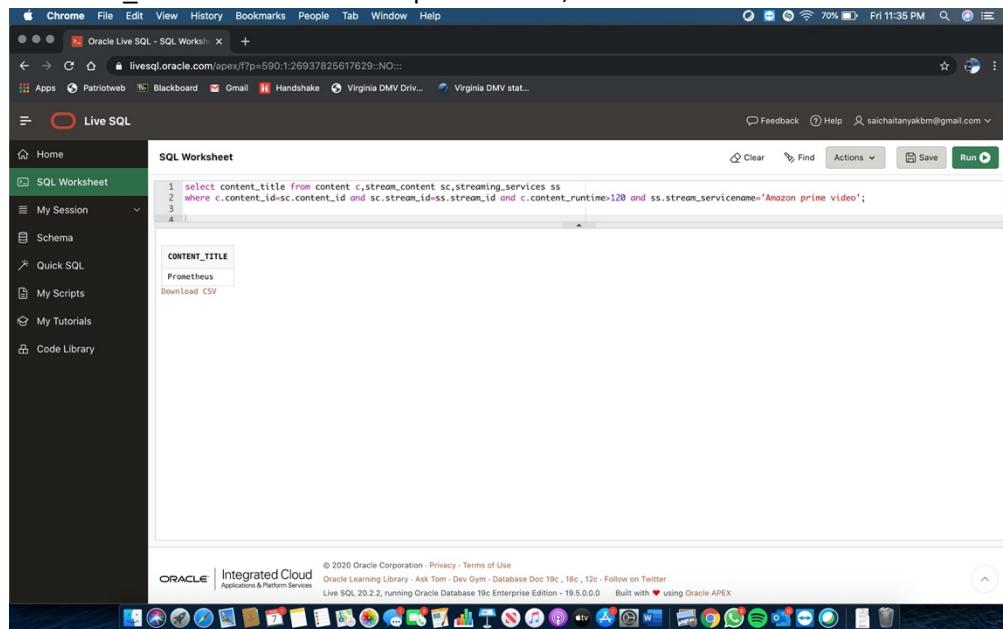
At the bottom of the worksheet, there are buttons for Clear, Find, Actions, Save, and Run. The status bar at the bottom of the browser window shows "Fri 11:32 PM" and battery level "71%".



## Accessing the tables:

1. The below query displays the titles of the movies with runtime greater than 2 hours streaming on Amazon Prime Video.

```
select content_title from content c,stream_content sc,streaming_services ss where
c.content_id=sc.content_id and sc.stream_id=ss.stream_id and c.content_runtime>120 and
ss.stream_servicename='Amazon prime video';
```



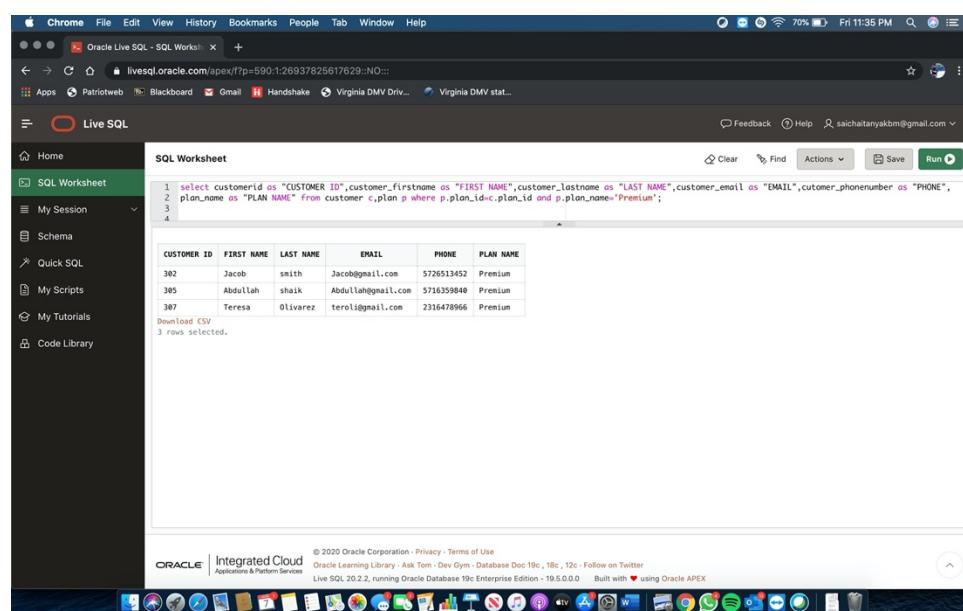
The screenshot shows the Oracle Live SQL interface. The SQL Worksheet pane contains the following query:

```
1 select content_title from content c,stream_content sc,streaming_services ss
2 where c.content_id=sc.content_id and sc.stream_id=ss.stream_id and c.content_runtime>120 and ss.stream_servicename='Amazon prime video';
3
4
```

The results pane shows a single column named "CONTENT\_TITLE" with one row: "Prometheus".

2. The below query displays the customers details such as ID, First name, Last name, Email and Phone number, who own a premium plan in any of the streaming services.

```
select customerid as "CUSTOMER ID",customer_firstname as "FIRST NAME",customer_lastname as "LAST NAME",customer_email as "EMAIL",customer_phonenumber as "PHONE",plan_name as "PLAN NAME" from customer c,plan p where p.plan_id=c.plan_id and p.plan_name='Premium';
```



The screenshot shows the Oracle Live SQL interface. The SQL Worksheet pane contains the following query:

```
1 select customerid as "CUSTOMER ID",customer_firstname as "FIRST NAME",customer_lastname as "LAST NAME",customer_email as "EMAIL",customer_phonenumber as "PHONE",
2 plan_name as "PLAN NAME" from customer c,plan p where p.plan_id=c.plan_id and p.plan_name='Premium';
3
4
```

The results pane displays a table with columns: CUSTOMER ID, FIRST NAME, LAST NAME, EMAIL, PHONE, and PLAN NAME. The data is as follows:

| CUSTOMER ID | FIRST NAME | LAST NAME | EMAIL              | PHONE      | PLAN NAME |
|-------------|------------|-----------|--------------------|------------|-----------|
| 302         | Jacob      | smith     | Jacob@gmail.com    | 5726513452 | Premium   |
| 305         | Abdullah   | shaik     | Abdullah@gmail.com | 5716359840 | Premium   |
| 307         | Teresa     | Olivarez  | terolio@mail.com   | 2316478966 | Premium   |



3. The below query displays the count of customers paying through debit/credit cards for Hulu.

```
select card_type,count(*) as count from customer c,plan p,stream_plan
sp,streaming_services ss where p.plan_id=c.plan_id and p.plan_id=sp.plan_id and
sp.stream_id=ss.stream_id and ss.stream_servicename='Hulu' group by card_type;
```

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet pane contains the following query:

```
1 select card_type,count(*) as count from customer c,plan p,stream_plan sp,streaming_services ss
2 where p.plan_id=c.plan_id and p.plan_id=sp.plan_id and sp.stream_id=ss.stream_id and ss.stream_servicename='Hulu' group by card_type;
3
4
```

The results are displayed in a table:

| CARD_TYPE | COUNT |
|-----------|-------|
| credit    | 2     |
| debit     | 1     |

Below the table, it says "Download CSV" and "2 rows selected."

The status bar at the bottom indicates "Live SQL 20.2.2, running Oracle Database 19c Enterprise Edition - 19.5.0.0 Built with ❤️ using Oracle APEX".

4. The following query displays the list of user details (First name and Email) using different streaming services and the state they belong to.

```
select customer_firstname,customer_email,state_province,stream_servicename from
customer c,plan p,stream_plan sp,streaming_services ss where p.plan_id=c.plan_id and
p.plan_id=sp.plan_id and sp.stream_id=ss.stream_id order by stream_servicename asc;
```

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet pane contains the following query:

```
1 select customer_firstname,customer_email,state_province,stream_servicename from customer c,plan p,stream_plan sp,streaming_services ss
2 where p.plan_id=c.plan_id and p.plan_id=sp.plan_id and sp.stream_id=ss.stream_id order by stream_servicename asc;
3
4
```

The results are displayed in a table:

| CUSTOMER_FIRSTNAME | CUSTOMER_EMAIL     | STATE_PROVINCE | STREAM_SERVICENAME |
|--------------------|--------------------|----------------|--------------------|
| Jenna              | jenled@gmail.com   | DC             | Amazon prime video |
| Rachelle           | rachlam@gmail.com  | TS             | Amazon prime video |
| Rafael             | Rafael@gmail.com   | AZ             | Amazon prime video |
| Ben                | Ben@gmail.com      | GA             | Amazon prime video |
| Jacob              | Jacob@gmail.com    | PA             | Hulu               |
| Abdullah           | Abdullah@gmail.com | NY             | Hulu               |
| Teresa             | teroli@gmail.com   | VA             | Hulu               |
| Jaya               | jaya@gmail.com     | CA             | Netflix            |
| Eugene             | Eugene@gmail.com   | SC             | Netflix            |
| John               | johnic@gmail.com   | TX             | Netflix            |

Below the table, it says "Download CSV" and "10 rows selected."

The status bar at the bottom indicates "Live SQL 20.2.2, running Oracle Database 19c Enterprise Edition - 19.5.0.0 Built with ❤️ using Oracle APEX".



5. The below query displays the count of users for each streaming service.

```
select stream_servicename as "STREAMING SERVICE NAME",count(*) as "USER COUNT"
from customer c,plan p,stream_plan sp,streaming_services ss
where p.plan_id=c.plan_id
and p.plan_id=sp.plan_id
and sp.stream_id=ss.stream_id
group by stream_servicename;
```

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select stream_servicename as "STREAMING SERVICE NAME",count(*) as "USER COUNT"
2 from customer c,plan p,stream_plan sp,streaming_services ss
3 where p.plan_id=c.plan_id
4 and p.plan_id=sp.plan_id
5 and sp.stream_id=ss.stream_id
6 group by stream_servicename;
```

The results are displayed in a table:

| STREAMING SERVICE NAME | USER COUNT |
|------------------------|------------|
| Amazon prime video     | 4          |
| Netflix                | 3          |
| Hulu                   | 3          |

Below the table, it says "Download CSV" and "3 rows selected."

6. The below query displays the titles of the movies which belong to genre “Horror” or has genre id as “113013”

```
select content_title as title,genre_name from content c,genre g
where c.content_id=g.content_id
and g.genre_name='Horror' or g.genre_id='113013';
```

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select content_title as title,genre_name from content c,genre g
2 where c.content_id=g.content_id
3 and g.genre_name='Horror' or g.genre_id='113013';
```

The results are displayed in a table:

| TITLE                   | GENRE_NAME  |
|-------------------------|-------------|
| Guardians of the Galaxy | Documentary |
| Prometheus              | Documentary |
| Split                   | Documentary |
| Sing                    | Documentary |
| Suicide Squad           | Documentary |
| Split                   | Horror      |

Below the table, it says "Download CSV" and "6 rows selected."



7. The below query displays the names of the crew members who won awards for their work in the respective movies.

```
select firstname,lastname,content_title,award_name from crew c, content_crew cc, content co,awards a where c.crew_id=cc.crew_id and cc.content_id=co.content_id and co.award_id=a.award_id;
```

The screenshot shows the Oracle Live SQL interface. On the left, there's a sidebar with navigation links like Home, SQL Worksheet, My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet". A code editor window contains the following SQL query:

```
1 select firstname,lastname,content_title,award_name from crew c, content_crew cc, content co,awards a
2 where c.crew_id=cc.crew_id and cc.content_id=co.content_id and co.award_id=a.award_id;
3
4
```

Below the code editor is a table with the following data:

| FIRSTNAME | LASTNAME | CONTENT_TITLE           | AWARD_NAME               |
|-----------|----------|-------------------------|--------------------------|
| Remi      | Watt     | Sing                    | Best Original Screenplay |
| Anderson  | Ayers    | Split                   | Best Cinematography      |
| Soren     | Valdez   | Suicide Squad           | Best Cinematography      |
| Lilia     | Adam     | Guardians of the Galaxy | Best Special Effects     |
| Rafael    | Hoover   | Prometheus              | Best Supporting Actor    |

At the bottom of the table, it says "Download CSV" and "5 rows selected.". The footer of the interface includes the Oracle logo, "Integrated Cloud Applications & Platform Services", copyright information (© 2020 Oracle Corporation), and various links like Oracle Learning Library, Ask Tom, Dev Gym, Database Doc 19c, 18c, 12c, Follow on Twitter, and the version information "Live SQL 20.2.2, running Oracle Database 19c Enterprise Edition - 19.5.0.0.0 Built with ❤ using Oracle APEX".

