

#Part 1

create table viewer (

viewer_id integer primary key auto_increment,

first_name varchar(50),

last_name varchar(50),

email varchar(50));

insert into viewer

values ("1", "Kenneth", "Davis", "kenneth.davis@gmail.com");

insert into viewer

values ("2", "David", "Shirley", "david.shirley@gmail.com");

insert into viewer

values ("3", "Gaby", "Garcia", "gaby.garcia@gmail.com");

insert into viewer

values ("4", "Donna", "Bumbleton", "donna.bumbleton@gmail.com");

select * from viewer;

The screenshot shows the MySQL Workbench interface. The 'SCHEMAS' pane on the left shows the 'viewer' table under the 'watchedlist' database. The 'Query' pane in the center contains the following SQL code:

```
values ("1", "Kenneth", "Davis", "kenneth.davis@gmail.com");
insert into viewer
values ("2", "David", "Shirley", "david.shirley@gmail.com");
insert into viewer
values ("3", "Gaby", "Garcia", "gaby.garcia@gmail.com");
insert into viewer
values ("4", "Donna", "Bumbleton", "donna.bumbleton@gmail.com");
select * from viewer;
```

The 'Result Grid' pane on the right displays the results of the 'select * from viewer;' query:

viewer_id	first_name	last_name	email
1	Kenneth	Davis	kenneth.davis@gmail.com
2	David	Shirley	david.shirley@gmail.com
3	Gaby	Garcia	gaby.garcia@gmail.com
4	Donna	Bumbleton	donna.bumbleton@gmail.com

The 'Output' pane at the bottom shows the execution log:

#	Time	Action	Message	Duration / Fetch
2	09:58:08	Select * from sakila.view...	4 row(s) returned	0.000 sec / 0.000 sec
3	10:01:58	Select * from sakila.view...	4 row(s) returned	0.031 sec / 0.000 sec
4	10:02:52	Select filmtitle from sakila...	4 row(s) returned	0.000 sec / 0.000 sec
5	10:03:50	create table viewer (vie...	Error Code: 1050. Table 'viewer' already exists	0.000 sec
6	10:04:03	select * from viewer LIM...	4 row(s) returned	0.000 sec / 0.000 sec

#Part 2

```
CREATE TABLE sakila.StreamingServiceQueue(
  queue_id INTEGER PRIMARY KEY AUTO_INCREMENT,
  genre NVARCHAR(50) NOT NULL,
  filmTitle NVARCHAR(50) NOT NULL,
  streamAvailable BOOLEAN CHECK(streamAvailable IN (true, false))
)
```

```
INSERT INTO sakila.StreamingServiceQueue (genre, filmTitle, streamAvailable)
VALUES ("Movies based on books","The Breadwinner", true);
```

```
INSERT INTO sakila.StreamingServiceQueue (genre, filmTitle, streamAvailable)
VALUES ("Emotional","Roma", false);
```

```
INSERT INTO sakila.StreamingServiceQueue (genre, filmTitle, streamAvailable)
VALUES ("Campy","To Wong Foo, Thanks for Everything Julie Newmar", true);
```

```
INSERT INTO sakila.StreamingServiceQueue (genre, filmTitle, streamAvailable)
VALUES ("Critically Acclaimed","A Single Man", true);
```

Select filmtitle from sakila.streamingervicequeue;

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying the query: `Select filmtitle from sakila.streamingervicequeue;`. The 'Results' tab shows the output of the query, which is a list of film titles: 'The Breadwinner', 'Roma', 'To Wong Foo, Thanks for Everything Julie New...', and 'A Single Man'. The 'Output' tab shows the execution log, which includes the following entries:

#	Time	Action	Message	Duration / Tech
1	09:57:00	Select * from sakila.viewer Join sakila.watc...	Error Code: 1054 Unknown column 'queue_id'	0.002 sec
2	09:58:08	Select * from sakila.viewer Join sakila.watc...	4 row(s) returned	0.000 sec / 0.000 sec
3	10:01:59	Select * from sakila.viewer Join sakila.watc...	4 row(s) returned	0.031 sec / 0.000 sec
4	10:02:52	Select filmtitle from sakila.streamingerviceque...	4 row(s) returned	0.000 sec / 0.000 sec

```
CREATE TABLE sakila.WatchedList(  
    watch_id INTEGER PRIMARY KEY AUTO_INCREMENT,  
    queue_id INTEGER NOT NULL,  
    viewer_id INTEGER NOT NULL,  
    FOREIGN KEY(viewer_id) REFERENCES sakila.viewer(viewer_id),  
    FOREIGN KEY(queue_id) REFERENCES sakila.StreamingServiceQueue(queue_id)  
);
```

```
INSERT INTO sakila.WatchedList (viewer_id, queue_id)  
VALUES (1, 2);
```

```
INSERT INTO sakila.WatchedList (viewer_id, queue_id)  
VALUES (2, 1);
```

```
INSERT INTO sakila.WatchedList (viewer_id, queue_id)  
VALUES (3, 2);
```

```
INSERT INTO sakila.WatchedList (viewer_id, queue_id)  
VALUES (4, 1);
```

```
Select * from sakila.viewer  
Join sakila.watchedlist using (viewer_id)  
Join sakila.streamingervicequeue using (queue_id)  
order by last_name;
```

MySQL Workbench interface showing a query execution session.

Query 1:

```
1 Select * from sakila.viewer
2 Join sakila.watchedlist using (viewer_id)
3 Join sakila.streamingqueue using (queue_id)
4 order by last_name;
5
```

Result Grid:

queue_id	viewer_id	first_name	last_name	email	watch_id	genre
1	4	Donna	Bumbalton	donna.bumbalton@gmail.com	4	Movies based on books
2	1	Kenneth	Davis	kenneth.davis@gmail.com	1	Emotional
2	3	Gaby	Garcia	gaby.garcia@gmail.com	3	Emotional
1	2	David	Shirley	david.shirley@gmail.com	2	Movies based on books

Output:

Action Output

#	Time	Action	Message	Duration / Tech
1	09:57:00	Select * from sakila.viewer Join sakila.watched...	Error Code: 1054. Unknown column 'queue_id'	0.007 sec
2	09:58:08	Select * from sakila.viewer Join sakila.watched...	4 row(s) returned	0.000 sec / 0.000 sec
3	10:01:59	Select * from sakila.viewer Join sakila.watched...	4 row(s) returned	0.031 sec / 0.000 sec

Schema:

table: watchedlist

columns:

- watch_id int(11) AI PK
- queue_id int(11)
- viewer_id int(11)