DELHI TECHNOLOGICAL UNIVERSITY

Name : Shrey

Roll Number : 2K19/MC/122

Subject : Database Management System Laboratory

Faculty : Prof. Aditya Kaushik

PRACTICAL - 4

AIM:

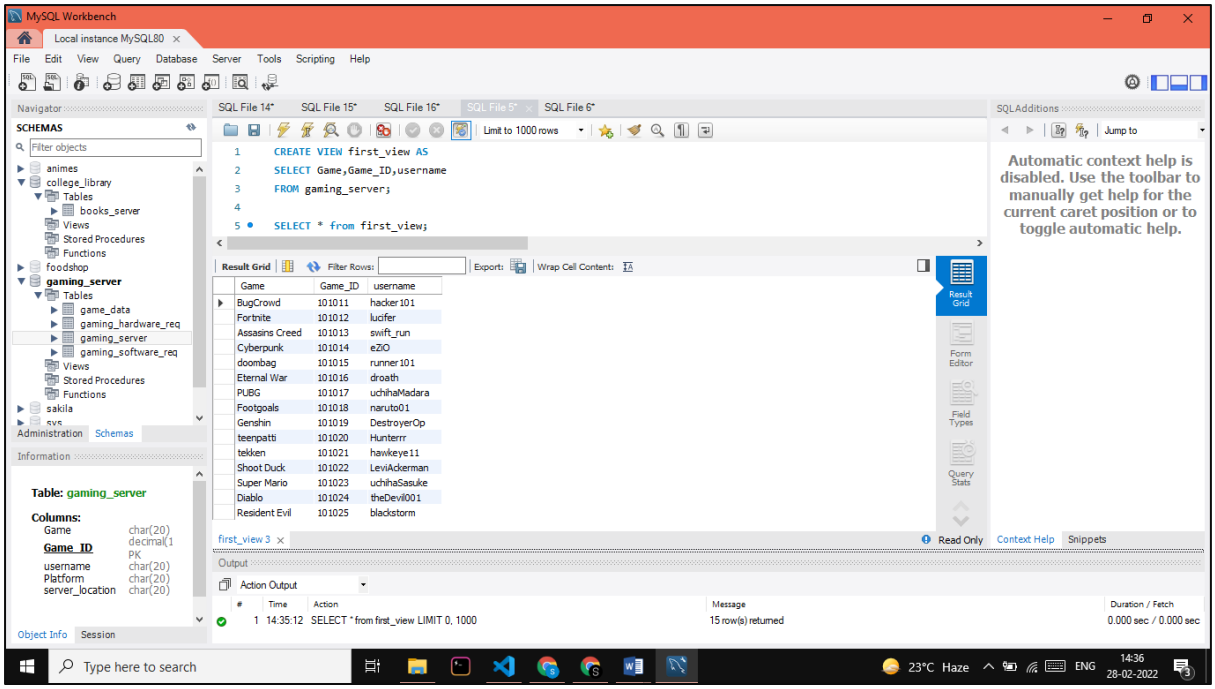
1. Use the tables created in assignment 3.
2. View only a subset of columns from the table.
3. View the data of any table giving conditions for choosing the rows to display.
4. Perform join:
   a) Join 2 tables and display the details of the joined tables (do not write where condition)
   b) Fetch the data from the tables by joining 2 and 3 tables.
5. Perform the same operations done in the 4th step by using correlated subqueries.

CODE AND OUTPUT:

Command to create a view as a subset of columns:

```
CREATE VIEW first_view AS
SELECT Game,Game_ID,username
FROM gaming_server;
SELECT * from first_view;
```

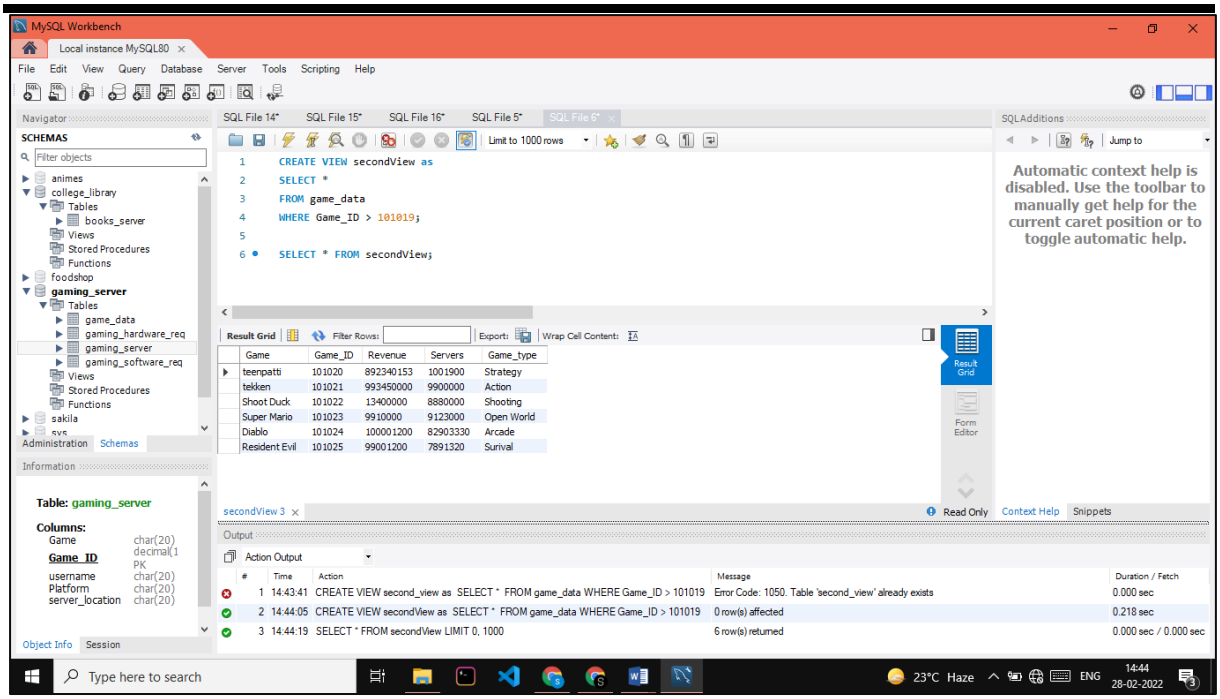
Output :



Command to create a view as a subset of columns with WHERE clause:

```
CREATE VIEW secondView as
SELECT *
FROM game_data
WHERE Game_ID > 101019;
SELECT * FROM secondView;
```

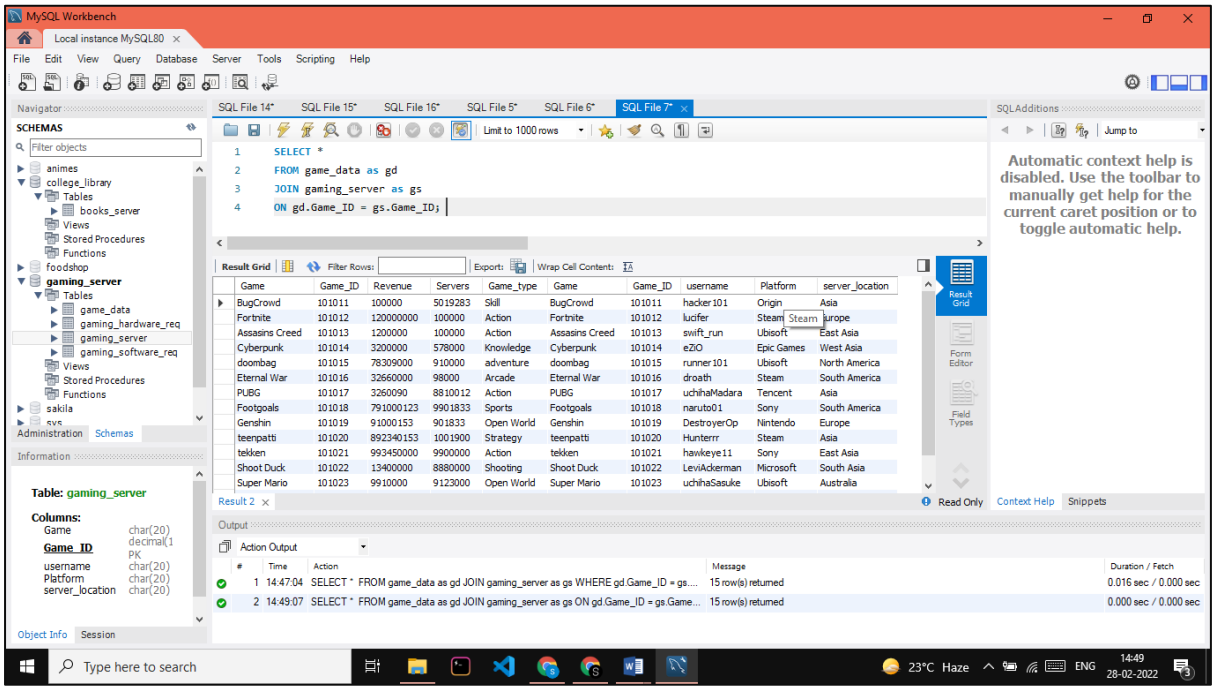
Output :



Command to JOIN 2 tables:

```sql
SELECT *
FROM game_data as gd
JOIN gaming_server as gs
ON gd.Game_ID = gs.Game_ID;
```

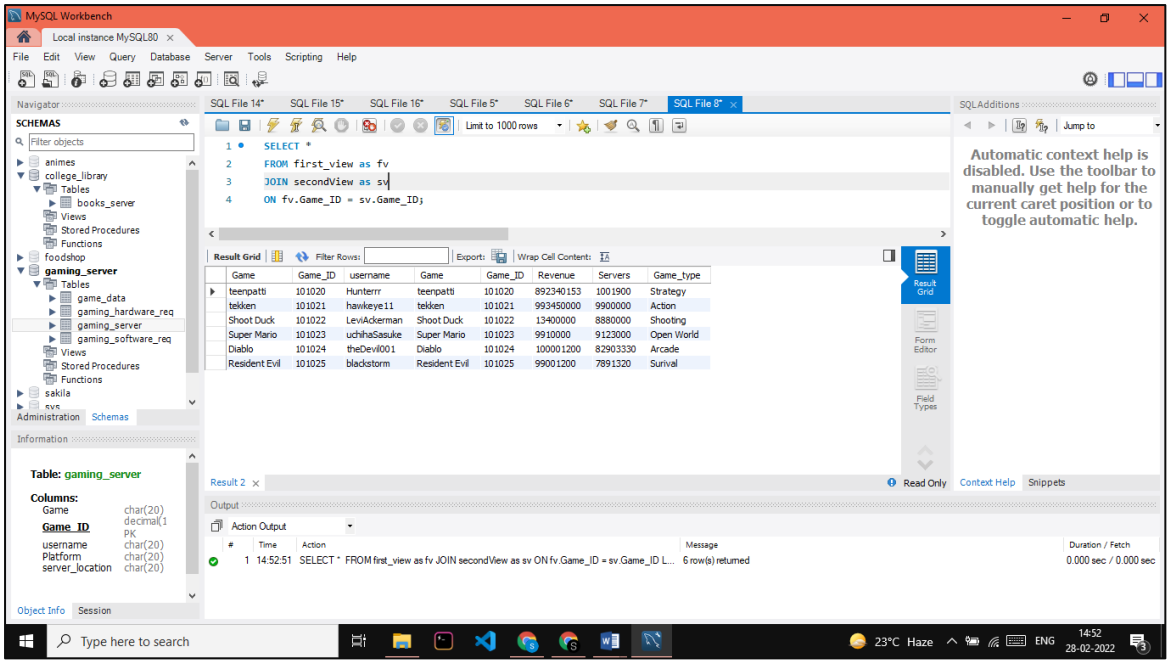
Output :



Command to JOIN 2 views created above:

```sql
SELECT *
FROM first_view as fv
JOIN secondView as sv
ON fv.Game_ID = sv.Game_ID;
```

Output :



Command to JOIN 2 tables using correlated subqueries:

```
SELECT *
FROM game_data as gd,gaming_server as gs
WHERE gd.Game_ID = gs.Game_ID;
```

Output :