

DELHI TECHNOLOGICAL UNIVERSITY

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Subject: Database Management System Laboratory

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PRACTICAL - 6

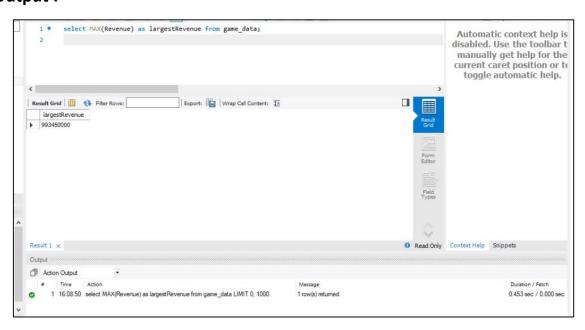
AIM:

- 1. Use aggregate functions like max, min, count, sum.
- 2. Use GROUP BY and HAVING clause to fetch data from a group.
- 3. Check if any value exists in the result set using EXISTS and NOT EXISTS.

CODE AND OUTPUT:

Command to use MAX():

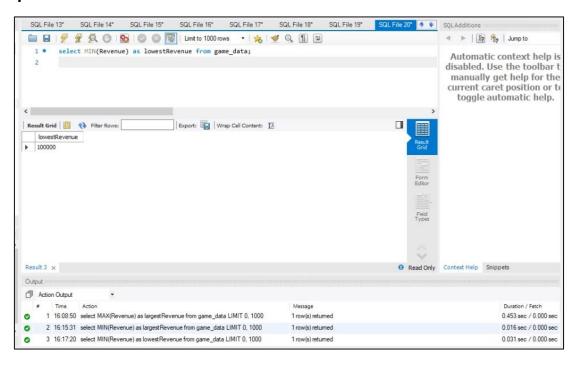
select MAX(Revenue) as largestRevenue from game_data;



Command to use MIN():

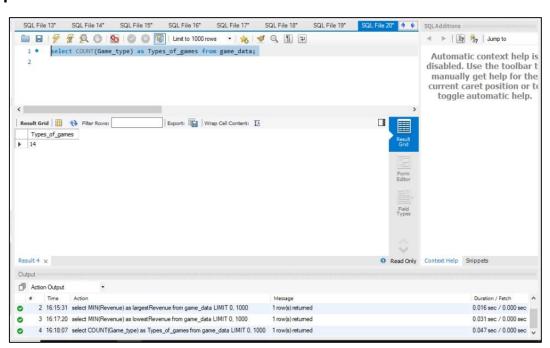
select MIN(Revenue) as lowestRevenue from game_data;

Output:



Command to use COUNT():

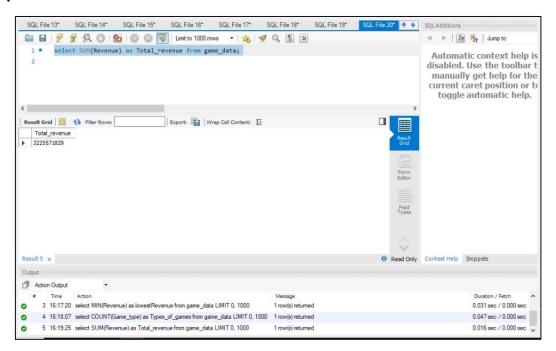
select COUNT(Game_type) as Types_of_games from game_data;



Command to use SUM():

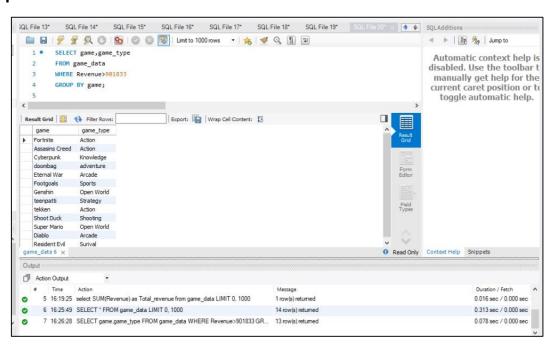
select SUM(Revenue) as Total_revenue from game_data;

Output:



Command to use GROUP BY:

```
SELECT game,game_type
FROM game_data
WHERE Revenue>901833
GROUP BY game;
```



Command to use GROUP BY and HAVING:

```
CREATE VIEW top_action_games AS

SELECT game,game_type

FROM game_data

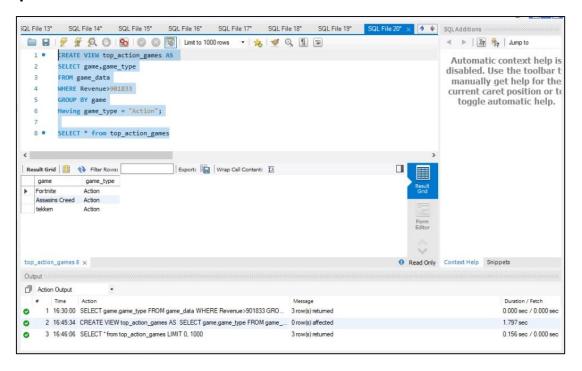
WHERE Revenue>901833

GROUP BY game

Having game_type = "Action";

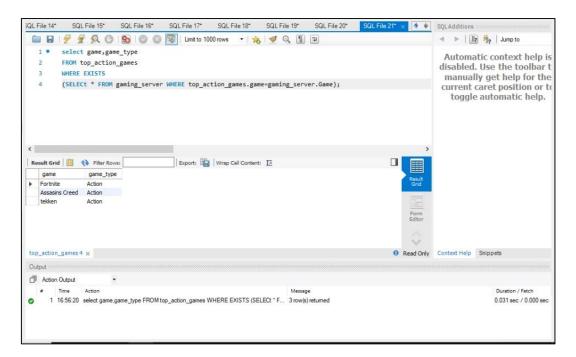
SELECT * from top_action_games;
```

Output:



Command to use EXISTS:

```
select game,game_type
FROM top_action_games
WHERE EXISTS
(SELECt * FROM gaming_server WHERE top_action_games.game=gaming_server.Game);
```



Command to use NOT EXISTS:

```
select game,game_type
FROM top_action_games
WHERE NOT EXISTS
(SELECT * FROM gaming_server WHERE top_action_games.game=gaming_server.Game);
```

