**Assignment Tasks**

**Question 1.** Retrieve the total number of orders placed by each user. Display the user's name and the total number of orders they have placed. Sort the results in descending order based on the number of orders.

**Question 2.** Find the average price of menu items for each restaurant. Display the restaurant name and the average menu item price. Sort the results in ascending order based on the restaurant name.

**Question 3.** Identify the restaurant with the highest total sales (sum of order amounts). Display the restaurant name and the total sales amount.

**Question 4.** Find the number of orders placed in each city. Display the city name and the number of orders. Sort the results in descending order based on the number of orders.

**Solutions:**

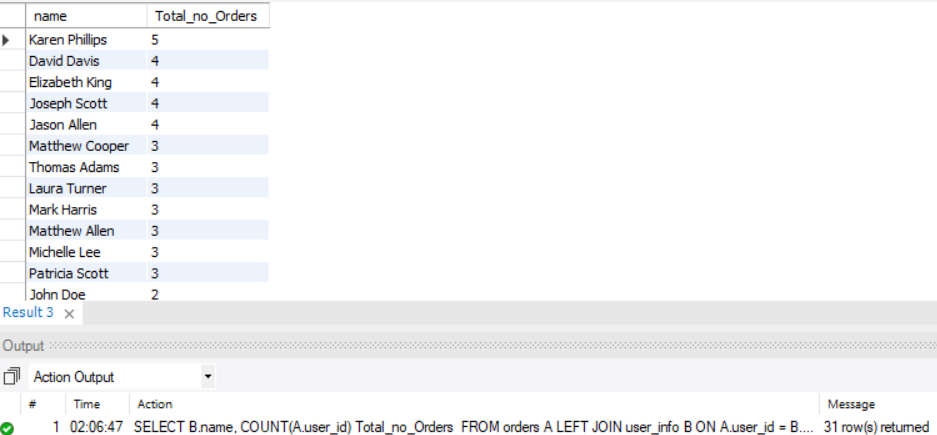
1. SELECT B.name, COUNT(A.user\_id) Total\_no\_Orders

FROM orders A LEFT JOIN user\_info B

ON A.user\_id = B.ID

GROUP BY A.user\_id

ORDER BY COUNT(A.user\_id) DESC;



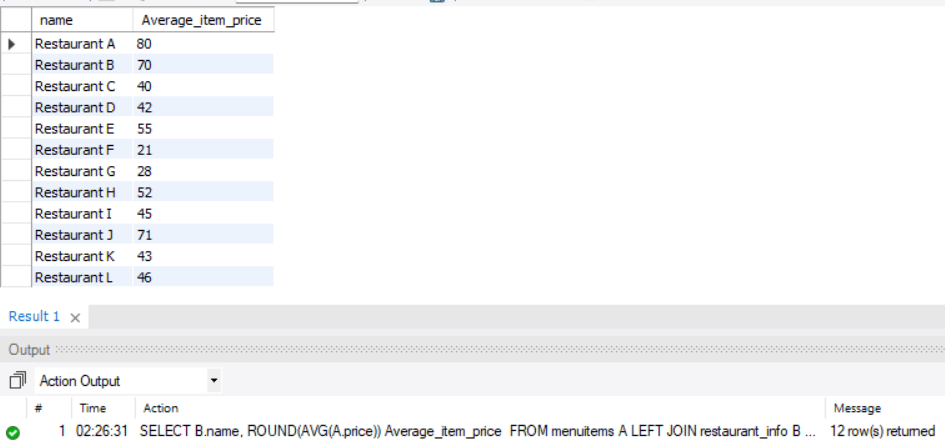
1. SELECT B.name, ROUND(AVG(A.price)) Average\_item\_price

FROM menuitems A LEFT JOIN restaurant\_info B

ON A.restaurant\_id = B.restaurant\_id

GROUP BY A.restaurant\_id

ORDER BY B.name;



1. SELECT B.name, SUM(A.total\_amount) Total\_sales\_Amount

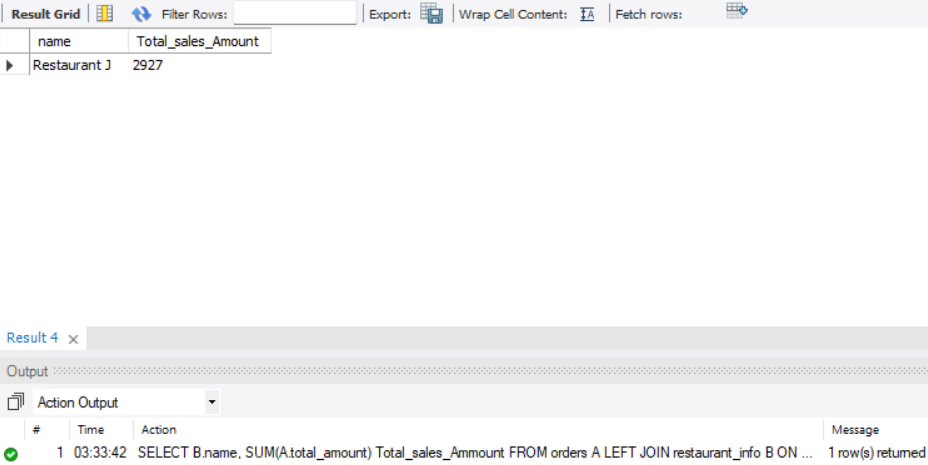
FROM orders A LEFT JOIN restaurant\_info B

ON A.restaurant\_id = B.restaurant\_id

GROUP BY A.restaurant\_id

ORDER BY SUM(A.total\_amount) DESC

LIMIT 1;



1. SELECT C.city\_name, COUNT(A.order\_id) No\_Of\_Orders

FROM orders A

LEFT JOIN restaurant\_info B

ON A.restaurant\_id = B.restaurant\_id

LEFT JOIN city C

ON B.city\_id = C.city\_id

GROUP BY C.city\_id

ORDER BY COUNT(A.order\_id) DESC;

