**Assignment Tasks**

**Question 1.** Write an SQL query to find the names of restaurants that have at least one menu item with a price greater than $10.

**Question 2.** Write an SQL query to retrieve the user names and their corresponding orders where the order total is greater than the average order total for all users.

**Question 3.** Write an SQL query to list the names of users whose last names start with 'S' or ends with ‘e’.

**Question 4.** Write an SQL query to find the total order amounts for each restaurant. If a restaurant has no orders, display the restaurant name and a total amount of 0. Use the COALESCE function to handle null values.

**Question 5.** Write a query to find out how many orders were placed using cash or credit.

**Solutions:**

1. SELECT DISTINCT B.name

FROM restaurant\_info B

WHERE B.restaurant\_id IN

(

SELECT A.restaurant\_id

FROM menuitems A

WHERE A.price >10

);



1. SELECT B.name User\_Name, A.order\_id Order\_ID, A.total\_amount AS Total\_Amount

FROM orders A Left JOIN user\_info B

ON A.user\_id = B.ID

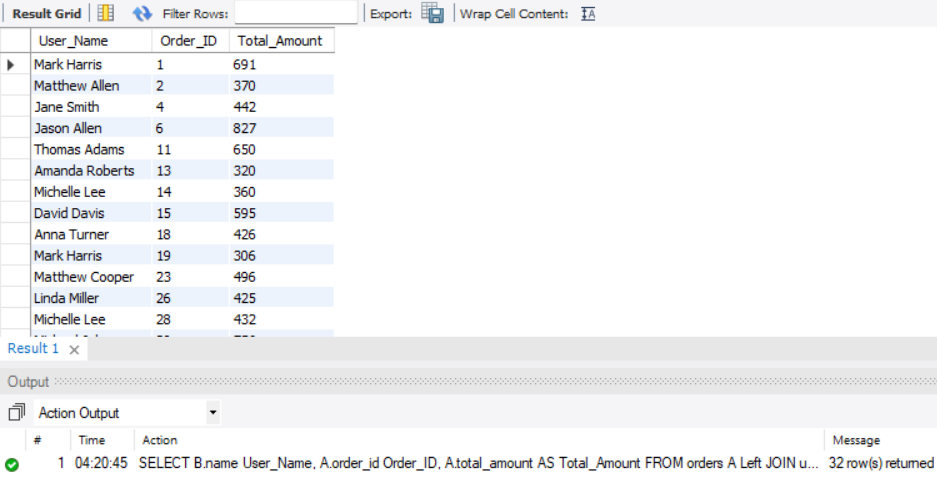
WHERE A.total\_amount >

(

SELECT AVG(A.total\_amount)

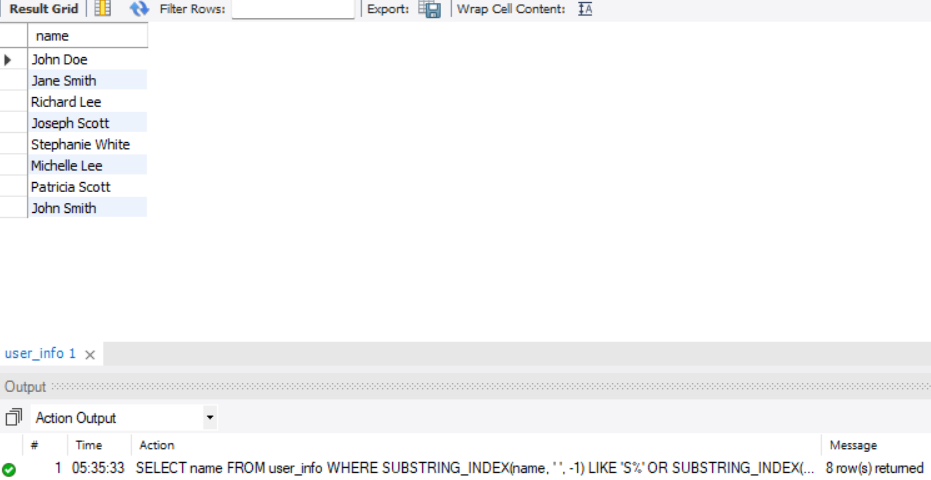
FROM orders A

);



1. SELECT name FROM user\_info

WHERE SUBSTRING\_INDEX(name, ' ', -1) LIKE 'S%' OR SUBSTRING\_INDEX(name, ' ', -1) LIKE '%e';

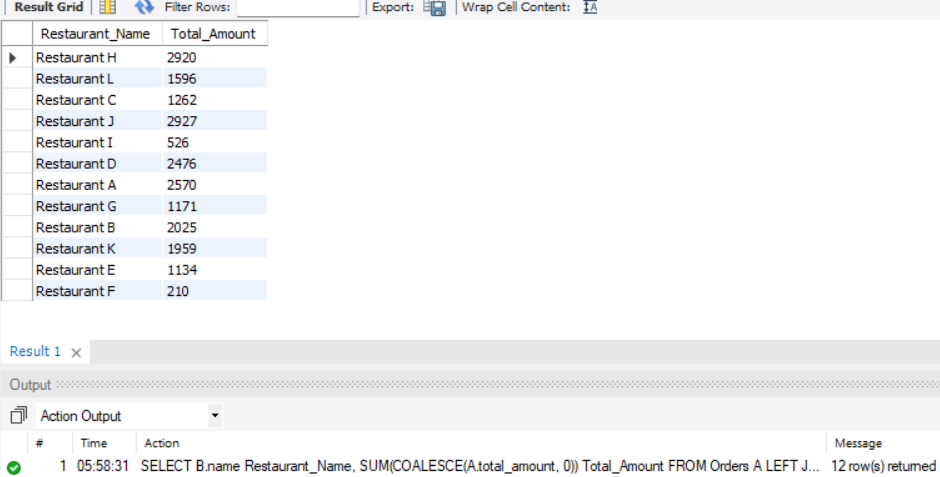


1. SELECT B.name Restaurant\_Name, SUM(COALESCE(A.total\_amount, 0)) Total\_Amount

FROM Orders A LEFT JOIN Restaurant\_info B

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

GROUP BY B.name;



1. SELECT A.name, COUNT(C.order\_id) Orders

FROM payment\_type A LEFT JOIN payment\_transactions B

ON A.pay\_type\_id = B.pay\_type\_id

LEFT JOIN orders C

ON B.order\_id = C.order\_id

GROUP BY A.name;

