**EX.NO: 5 Write a Program to do Parallel Join in a Database**

USE mydatabase;

Database changed

mysql> CREATE TABLE users (

-> user\_id INT AUTO\_INCREMENT PRIMARY KEY,

-> username VARCHAR(50)

-> );

Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE orders (

-> order\_id INT AUTO\_INCREMENT PRIMARY KEY,

-> user\_id INT,

-> product\_name VARCHAR(50),

-> );

Query OK, 0 rows affected (0.02 sec)

mysql> INSERT INTO users (username) VALUES

-> ('Alice'),

-> ('Bob'),

-> ('Charlie');

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO orders (user\_id, product\_name, amount) VALUES

-> (1, 'Laptop', 1200.50),

-> (2, 'Phone', 599.99),

-> (1, 'Headphones', 89.99),

-> (3, 'Tablet', 299.99);

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select \* from orders;

+----------+---------+--------------+---------+

| order\_id | user\_id | product\_name | amount |

+----------+---------+--------------+---------+

| 1 | 1 | Laptop | 1200.50 |

| 2 | 2 | Phone | 599.99 |

| 3 | 1 | Headphones | 89.99 |

| 4 | 3 | Tablet | 299.99 |

+----------+---------+--------------+---------+

4 rows in set (0.00 sec)

mysql> select \* from users;

+---------+----------+

| user\_id | username |

+---------+----------+

| 1 | Alice |

| 2 | Bob |

| 3 | Charlie |

+---------+----------+

3 rows in set (0.00 sec)

mysql> SELECT users.user\_id, users.username, orders.order\_id, orders.product\_name, orders.amount FROM users JOIN orders ON users.user\_id = orders.user\_id;

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| user\_id | username | order\_id | product\_name | amount |

+---------+----------+----------+--------------+---------+

| 1 | Alice | 1 | Laptop | 1200.50 |

| 2 | Bob | 2 | Phone | 599.99 |

| 1 | Alice | 3 | Headphones | 89.99 |

| 3 | Charlie | 4 | Tablet | 299.99 |

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1. rows in set (0.00 sec)