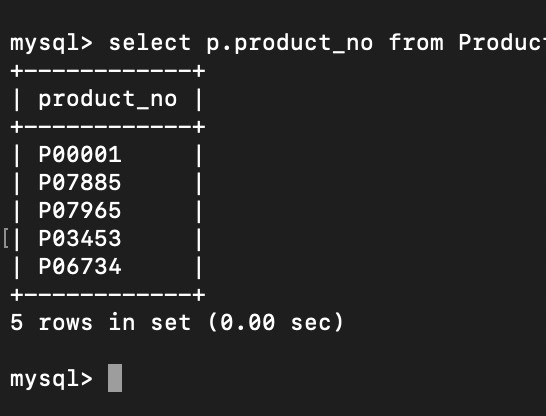
**Database Management Systems Lab Experiment No: - 08 Aim: - Implement Joins and Nested SQL Queries**

# Joins:-

1. find out the product which has been sold to 'ivan bayroos'.

**Query :** SELECT p.product\_no FROM Product\_master p, Sales\_order s, Sales\_order\_details sd, Client\_master c WHERE p.product\_no = sd.product\_no AND s.client\_no = c.client\_no AND s.s\_order\_no = sd.s\_order\_no AND c.name like "Ivan Bayross”;

# Output :



1. find the product\_no and description of moving products.

**Query :** SELECT p.product\_no, p.description FROM Product\_master p, Sales\_order s, Sales\_order\_details sd, Client\_master c WHERE p.product\_no = sd.product\_no AND s.client\_no = c.client\_no AND s.s\_order\_no = sd.s\_order\_no AND sd.Qty\_disp > 0;

# Output :

1

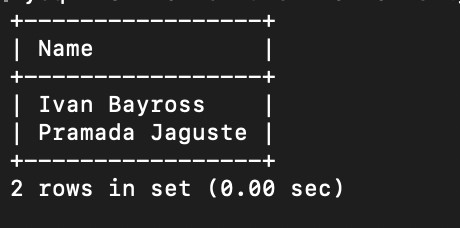
TSEC Batch:- S21 Name & Roll No:- Meet Raut, 2201084

**Database Management Systems Lab Experiment No: - 08 Aim: - Implement Joins and Nested SQL Queries**

1. find the names of the clients who have purchased 'CD Drive'.

**Query :** SELECT c.Name FROM Client\_master c JOIN Sales\_order s ON c.Client\_no = s.Client\_no AND Sales\_order\_details sd ON s.S\_order\_no = sd.S\_order\_no AND Product\_master p ON sd.Product\_no = p.Product\_no WHERE p.Description = 'CD Drive’;

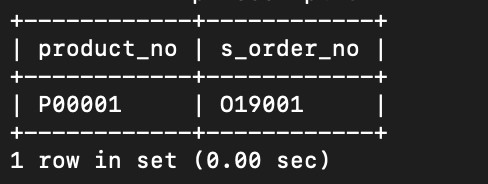
# Output :



1. List the product\_no and s\_order\_no of customers having qty\_ordered less than 5 from the order detail Table for the product '1.44 Floppies'.

**Query :** SELECT sd.product\_no, sd.s\_order\_no FROM Sales\_order\_details sd JOIN Product\_master p ON sd.product\_no = p.product\_no JOIN Sales\_order so ON sd.s\_order\_no = so.s\_order\_no JOIN Client\_master c ON so.client\_no = c.client\_no WHERE p.Description = '1.44 Floppies' AND sd.Qty\_ordered < 5;

# Output :



2

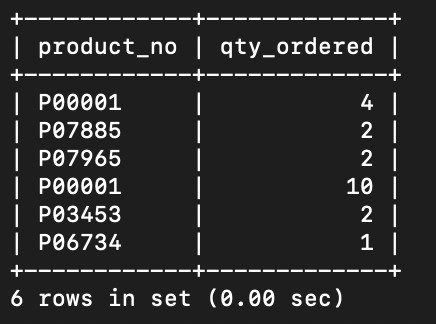
TSEC Batch:- S21 Name & Roll No:- Meet Raut, 2201084

**Database Management Systems Lab Experiment No: - 08 Aim: - Implement Joins and Nested SQL Queries**

1. Find the products and their quantities for the orders placed by 'Vandana Saitwal' and 'Ivan Bayross'.

**Query :** SELECT sd.product\_no, sd.qty\_ordered FROM Sales\_order\_details sd JOIN Sales\_order so ON sd.s\_order\_no = so.s\_order\_no JOIN Client\_master c ON so.client\_no = c.client\_no WHERE c.Name IN ('Vandana Saitwal', 'Ivan Bayross’);

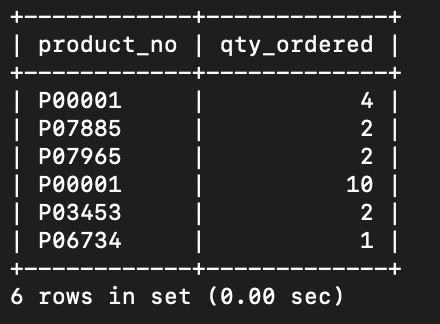
# Output :



1. Find the products and their quantities for the orders placed by client\_no'C00001' and 'C00002'.

**Query :** SELECT sd.product\_no, sd.qty\_ordered FROM Sales\_order\_details sd JOIN Sales\_order so ON sd.s\_order\_no = so.s\_order\_no WHERE so.client\_no IN ('C00001', ‘C00002');

# Output :



3

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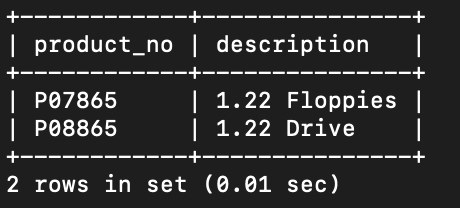
**Database Management Systems Lab Experiment No: - 08 Aim: - Implement Joins and Nested SQL Queries**

# Nested Queries:-

1. Find the product\_no and description of non-moving products (eg. products not being sold).

**Query :** SELECT product\_no, description FROM Product\_master WHERE product\_no NOT IN (SELECT product\_no FROM Sales\_order\_detail);

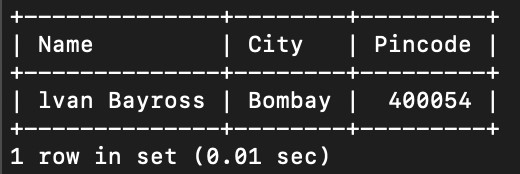
# Output :



1. Find the customers name ,city and pincode for the client who has placed order no “O19001'.

**Query :** SELECT Name, City, Pincode FROM Client\_master WHERE Client\_no IN (SELECT client\_no FROM Sales\_order WHERE S\_order\_no = 'O19001' );

# Output :



**Conclusion:-** LO mapped LO2,LO3.

4

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