

Data Query Language

Display all the data of customers

```
SELECT * FROM CUSTOMER ;
```

Display the product_name and category for products which their price is between 5000 and 10000

```
SELECT Product_name, Category FROM PRODUCT
```

```
WHERE Price BETWEEN 5000 AND 10000 ;
```

Display all the data of products sorted in descending order of price.

```
SELECT * FROM PRODUCT
```

```
ORDER BY Price DESC ;
```

Display the total number of orders, the average amount, the highest total amount and the lower total amount For each product_id, display the number of orders

```
SELECT COUNT(*) , AVG(total_amount), MAX(total_amount), MIN(total_amount)
```

```
FROM ORDERS.
```

Display the customer_id which has more than 2 orders

```
SELECT customer_id
```

```
FROM ORDERS
```

```
HAVING COUNT(*) > 2 ;
```

For each month of the 2020 year, display the number of orders

```
SELECT COUNT(Customer_id)
```

```
FROM ORDERS
```

```
WHERE EXTRACT (YEAR FROM OrderDate) = 2020 ;
```

For each order, display the product_name, the customer_name and the date of the order

```
SELECT product_name, customer_name, orderDate
```

```
FROM ORDERS
```

```
INNER JOIN CUSTOMER ON ORDERS.customer_id = CUSTOMER.customer_id
```

```
INNER JOIN PRODUCT ON ORDERS.Product_id = PRODUCT.product_id
```

Display all the orders made three months ago

```
SELECT *
```

```
FROM ORDERS
```

```
WHERE EXACT (MONTH FROM ORDERDATE) >= EXACT(MONTH FROM SYSDATE) -3 ;
```

Display customers (customer_id) who have never ordered a product

```
SELECT Customer_id
```

```
FROM CUSTOMER
```

```
WHERE Customer_id NOT IN (SELECT Customer_id FROM ORDERS) ;
```

