ASSIGNMENT-3

1.Fetch **all the** Customer Details along with the product names that the customer has ordered.

```
SELECT customers.customer_name, orders.product_name
FROM customers
INNER JOIN orders
ON customers.customer_id = orders.customer_id;
```

2. Fetch Order_Id, Ordered_Date, Total Price of the order (product price*qty).

```
SELECT Order_Id, Ordered_Date, (Product_Price*Qty)
AS Total_Price
FROM Orders;
```

3. Fetch the Customer Name, who has not placed any order

```
SELECT CustomerName
FROM Customers
WHERE CustomerID
NOT IN (SELECT CustomerID FROM Orders);
```

4. Fetch the Product Details without any order(purchase)

```
SELECT * FROM Products WHERE OrderID IS NULL;
```

5. Fetch the Customer name along with the total Purchase Amount

```
SELECT customer_name, SUM(Purchase_Amount)
FROM Customer
GROUP BY customer_name;
```

6. Fetch the Customer details, who has placed the first and last order

```
SELECT * FROM Customers
WHERE CustomerID IN (SELECT MIN(CustomerID)
FROM Orders
UNION SELECT MAX(CustomerID)
```

```
FROM Orders);
```

7. Fetch the customer details , who has placed more number of orders

```
SELECT c.customer_name,
 COUNT(o.order_id)
FROM orders o INNER JOIN customers c
ON c.customer_id = o.customer_id
GROUP BY c.customer_name
ORDER BY COUNT(o.order_id) DESC;
```

8. Fetch the customer details, who has placed multiple orders in the same year

```
SELECT customer_name, order_date
FROM customers
 WHERE order_date
BETWEEN YEAR(NOW()) AND YEAR(NOW() - INTERVAL 1 YEAR)
GROUP BY customer_name HAVING COUNT(*) > 1;
```

9. Fetch the name of the month, in which more number of orders has been placed

```
SELECT MONTHNAME(ORDERDATE) AS MONTH, COUNT(*) AS
TOTAL_ORDERS
FROM ORDERS GROUP BY MONTHNAME(ORDERDATE)
 ORDER BY TOTAL_ORDERS DESC
 LIMIT 1
```

10. Fetch the maximum priced **Ordered Product**

```
SELECT MAX(Price)
FROM OrderedProduct;
```