**SUBQUERIES:**

**CUSTOMER TABLE:**

|  |  |  |  |
| --- | --- | --- | --- |
| **CUST\_ID** | **NAME** | **OCCUPATION** | **AGE** |
| 101 | PETER | ENGINEER | 32 |
| 102 | JOSEPH | DEVELOPER | 30 |
| 103 | JOHN | LEADER | 28 |
| 104 | STEPHEN | SCIENTIST | 45 |
| 105 | SUZI | CARPENTER | 26 |
| 106 | BOB | ACTOR | 25 |
| 107 | NULL | NULL | NULL |

**ORDERS TABLE:**

|  |  |  |  |
| --- | --- | --- | --- |
| ORDER\_ID | CUST\_ID | PROD\_NAME | ORDER\_DATE |
| 1 | 101 | LAPTOP | 2022-01-10 |
| 2 | 103 | DESKTOP | 2022-02-11 |
| 3 | 106 | IPHONE | 2022-03-13 |
| 4 | 104 | MOBILE | 2022-03-05 |
| 5 | 102 | TV | 2022-03-20 |

**1. Find the details of the customers whose details is not in the customer table.**

**2. The customer details who have not placed an order.**

**3. Find the name of the customers who has purchased laptop.**

**4. Find the details of customers who purchased iphone.**

**5. Find the details of the customers whose details is not in the orders table.**

**6. How many customers from customers table has made an order.**

* create database subq;
* use subq;
* CREATE TABLE CUSTOMER (
* CUST\_ID INT PRIMARY KEY,
* NAME VARCHAR(50),
* OCCUPATION VARCHAR(50),
* AGE INT
* );
* INSERT INTO CUSTOMER (CUST\_ID, NAME, OCCUPATION, AGE)
* VALUES
* (101, 'PETER', 'ENGINEER', 32),
* (102, 'JOSEPH', 'DEVELOPER', 30),
* (103, 'JOHN', 'LEADER', 28),
* (104, 'STEPHEN', 'SCIENTIST', 45),
* (105, 'SUZI', 'CARPENTER', 26),
* (106, 'BOB', 'ACTOR', 25),
* (107, NULL, NULL, NULL);
* CREATE TABLE ORDERS (
* ORDER\_ID INT PRIMARY KEY,
* CUST\_ID INT,
* PROD\_NAME VARCHAR(50),
* ORDER\_DATE DATE
* );
* INSERT INTO ORDERS (ORDER\_ID, CUST\_ID, PROD\_NAME, ORDER\_DATE)
* VALUES
* (1, 101, 'LAPTOP', '2022-01-10'),
* (2, 103, 'DESKTOP', '2022-02-11'),
* (3, 106, 'IPHONE', '2022-03-13'),
* (4, 104, 'MOBILE', '2022-03-05'),
* (5, 102, 'TV', '2022-03-20');
* select \* from customer;
* select \* from orders;
* -- (1)
* select \*
* from customer as A right join orders as B
* on A.CUST\_ID = B.CUST\_ID
* where A.CUST\_ID is null;
* -- (2)
* select \* from customer as A left join orders as B
* on A.CUST\_ID = B.CUST\_ID
* where B.CUST\_ID is null;
* -- (3)
* select A.Name
* from customer as A inner join orders as B
* on A.CUST\_ID = B.CUST\_ID
* where prod\_name = "Laptop";
* -- (4)
* select \*
* from customer as A inner join orders as B
* on A.CUST\_ID = B.CUST\_ID
* where prod\_name = "Iphone";
* -- (5)
* select \* from customer as A left join orders as B
* on A.CUST\_ID = B.CUST\_ID
* where B.CUST\_ID is null;
* -- (6)
* select count(Customer\_order.cust\_id) from (select A.cust\_id
* from customer as A inner join orders as B
* on A.CUST\_ID = B.CUST\_ID) as Customer\_order;