**Assignment-2**

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| --- | --- |
| **Customer** | |
| **Customer\_Id** | **Customer\_Name** |
| 1 | John |
| 2 | Smith |
| 3 | Ricky |
| 4 | Walsh |
| 5 | Stefen |
| 6 | Fleming |
| 7 | Thomson |
| 8 | David |

|  |  |  |
| --- | --- | --- |
| **Product** | | |
| **Product\_Id** | **Product\_Name** | **Product\_Price** |
| 1 | Television | 19000 |
| 2 | DVD | 3600 |
| 3 | Washing Machine | 7600 |
| 4 | Computer | 35900 |
| 5 | Ipod | 3210 |
| 6 | Panasonic Phone | 2100 |
| 7 | Chair | 360 |
| 8 | Table | 490 |
| 9 | Sound System | 12050 |
| 10 | Home Theatre | 19350 |

|  |  |  |
| --- | --- | --- |
| **Order1** | | |
| **Order\_Id** | **Customer\_Id** | **Ordered\_Date** |
| 1 | 4 | 10-Jan-05 |
| 2 | 2 | 10-Feb-06 |
| 3 | 3 | 20-Mar-05 |
| 4 | 3 | 10-Mar-06 |
| 5 | 1 | 5-Apr-07 |
| 6 | 7 | 13-Dec-06 |
| 7 | 6 | 13-Mar-08 |
| 8 | 6 | 29-Nov-04 |
| 9 | 5 | 13-Jan-05 |
| 10 | 1 | 12-Dep-2007 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Order\_Details** | | | |
| **Order\_Detail\_Id** | **Order\_Id** | **Product\_Id** | **Quantity** |
| 1 | 1 | 3 | 1 |
| 2 | 1 | 2 | 3 |
| 3 | 2 | 10 | 2 |
| 4 | 3 | 7 | 10 |
| 5 | 3 | 4 | 2 |
| 6 | 3 | 5 | 4 |
| 7 | 4 | 3 | 1 |
| 8 | 5 | 1 | 2 |
| 9 | 5 | 2 | 1 |
| 10 | 6 | 5 | 1 |
| 11 | 7 | 6 | 1 |
| 12 | 8 | 10 | 2 |
| 13 | 8 | 3 | 1 |
| 14 | 9 | 10 | 3 |
| 15 | 10 | 1 | 1 |

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

-> SELECT customer.name , product.product\_price , order1.ordered\_date, order\_detail.quantity FROM customer JOIN order1 ON customer.customer\_id=order1.customer\_id JOIN order\_detail ON order\_detail.order\_id=order1.order\_id JOIN product ON product.product\_id=order\_detail.product\_id;

1. Fetch Order\_Id, Ordered\_Date, Total Price of the order (product price\*qty).

-> SELECT order1.order\_id , order1.ordered\_date , (product.product\_price \* order\_detail.quantity) as Price FROM order1 JOIN order\_detail ON order\_detail.order\_id=order1.order\_id JOIN product ON order\_detail.order\_detail\_id=product.product\_id;

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

->SELECT name FROM customer LEFT JOIN order1 ON order1.customer\_id = customer.customer\_id WHERE customer.customer\_id NOT IN (SELECT customer\_id from order1);

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

-> SELECT product\_name,product\_price FROM PRODUCT LEFT JOIN order\_detail ON order\_detail.product\_id = product.product\_id WHERE product.product\_id NOT IN (SELECT product\_id FROM order\_detail);

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

->SELECT customer.name, (product.product\_price \*order\_detail.quantity) FROM customer JOIN order1 ON customer.customer\_id=order1.customer\_id JOIN order\_detail ON order1.order\_id=order\_detail.order\_id JOIN product ON order\_detail.product\_id=product.product\_id;

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

-> First order - SELECT customer.name, order1.ordered\_date FROM customer JOIN order1 ON customer.customer\_id=order1.customer\_id WHERE order1.ordered\_date = (SELECT min(ordered\_date)FROM order1);

-> Last order - SELECT customer.name, order1.ordered\_date FROM customer JOIN order1 ON customer.customer\_id=order1.customer\_id WHERE order1.ordered\_date = (SELECT max(ordered\_date)FROM order1);

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

-> select customer.name , count(\*) as orders from customer join order1 on customer.customer\_id = order1.customer\_id group by customer.name order by orders desc limit 1;

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

-> SELECT COUNT(\*),a.customer\_id,b.name from order1 a

left join customer b on a.customer\_id=b.customer\_id

group by to\_char(ordered\_date,'year'),a.customer\_id,b.name

having count(\*)>1;

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

-> SELECT to\_char(ordered\_date ,'month'),count(\*) from order1 join customer on customer.customer\_id=order1.order\_id group by to\_char(ordered\_date ,'month') having count(\*)> 1 limit 1;

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

-> SELECT max(product.product\_price) from product join order\_detail on order\_detail.product\_id=product.product\_id ;