**SQL – IN CLASS LAB EXERCISE – 04**

1. **Write a query to display emp\_name, state, age of an employee whose dept\_id = 1(Use:Sub-query).’**
2. **Write a query to display the dept\_id, maximum salary, provided show the departments whose maximum salary is less than the average salary.(USE:SUB-QUERY)**
3. **Write a query to display emp\_id,dept\_id of the employees whose salary is higher than emp\_id = 02.(USE:SUB-QUERY)**
4. **Write a query to display emp\_id,salary of the employees whose salary ranges from minimum salary to 35000.**

**(USE:SUB-QUERY)**

**Table Name: Product**

|  |  |  |
| --- | --- | --- |
| PRODUCT\_ID | PRODUCT\_NAME | PRICE |
| P01 | BISCUITS | 10 |
| P02 | CHOCOLATES | 20 |
| P03 | BREAD | 15 |
| P04 | BUTTER | 30 |

|  |  |
| --- | --- |
| SALES\_ID | PRODUCT\_ID |
| 02 | P02 |
| 01 | P01 |
| 01 | P03 |

**Table Name: Sales**

**Table Name: Orders**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SALES\_ID** | **Cust\_id** | **PRODUCT\_ID** | **ORDER\_QUANTITY** | **Order\_status** |
| 02 | 101 | P02 | 100 | Shipped |
| 01 | 102 | P01 | 130 | shipped |
| 01 | 103 | P03 | 25 | cancelled |
| 02 | 104 | P01 | 50 | cancelled |

**Table Name: Customer**

|  |  |  |  |
| --- | --- | --- | --- |
| **Cust\_id** | **First\_name** | **Last\_name** | **Sales\_id** |
| 101 | Harry | Dany | 02 |
| 102 | Tom | Adein | 01 |
| 103 | Marina | paul | 01 |
| 104 | peter | kevin | 02 |
| 105 | David | warner |  |

1. **Write a query to display the cust\_id,first\_name,**

**last\_name,sales\_id who have not purchased any product or made any sales.(1 ROW)(USE:SUB-QUERY)**

1. **Write a query to display cust\_id,first\_name,last\_name**

**Of the customers whose second letter start with ‘a’.**

**(USE:SUB-QUERY).**

1. **Write a query to display the product\_name,product\_id,**

**Price, provided show the second highest priced product.(USE:SUB-QUERY).**

1. **Write a Query to display the product\_id,product\_name and list which of the other products were bought apart from ‘P01’. (Use Exists)(2 ROWS)(USE:SUB-QUERY)**
2. **Write a query to display the product\_id,product\_name,**

**order\_quantity and list which of the other products were bought apart from ‘P01’ provided their total order\_quantity bought is greater than 75.**

**(1 ROWS)(USE:SUB-QUERY)**

1. **Write a query to display product\_id,product\_name,**

**total\_quantity(sum(order\_quantity) , Provided find the**

**most and least sold products (quantity-wise).**

**(2 ROWS)(USE:SUB-QUERY).**