**SQL – IN CLASS LAB EXERCISE – 03**

**Table Name: Hired**

|  |  |  |
| --- | --- | --- |
| EMP\_ID | EMP\_NAME | STATE |
| 01 | Edwin | TN |
| 02 | Perk | OR |
| 03 | Abhi | AP |
| 04 | Arshad | KA |

**Table Name: Department**

|  |  |
| --- | --- |
| DEPT\_ID | EMP\_ID |
| 02 | 02 |
| 01 | 01 |
| 01 | 03 |

**Table Name: Salary**

|  |  |  |
| --- | --- | --- |
| EMP\_ID | DEPT\_ID | SALARY |
| 01 | 01 | 25000 |
| 02 | 02 | 30000 |
| 03 | 01 | 50000 |
| 04 | Null | Null |

**1.Write a query to display the dept\_id, emp\_name, state and salary of only those employees who have been assigned a department.**

**Ans1:** **select \* from hired natural join salary**

**where dept\_id is not null**

**group by emp\_id;**

**2. Write a query to display all the employee names an their salary,dept\_id (irrespective of their assignment to a particular department). Note : [emp\_name,salary,dept\_id]**

**Ans2: select H.emp\_name,S.salary,S.dept\_id from hired H natural join salary S;**

**3. Write a query to display all the records of the department table and the respective employee names assigned to them . Note: [dept\_id,emp\_name,salary]**

**Ans3: select \* from Department natural join hired**

**natural join salary;**

4. **write a query to fetch all the distinct records of emp\_id from hired & department table together.**

**Ans4:** **select distinct emp\_id from hired natural join department;**

**5. write a query to fetch all the records of emp\_id from hired**

**& department table. together.**

**Ans5:** **select \* from hired H left join department D on H.emp\_id=D.emp\_id;**

**6.write a query to display the emp\_id,emp\_name,salary ,state**

**and whose salary greater than 20000 and belong’s to the**

**state ‘AP’.**

**Ans6:**

**7.write a query to display the emp\_id, emp\_name , salary**

**,state and whose salary greater than 10000 and less than**

**30000 and belongs to the state ‘TN’,’OR’.**

**Table Name: Product**

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

**Table Name: Sales**

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

**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 |  |

**8.write a query to display cust\_id,full name along with total quantity of products ordered for sales ids greater than 1 and order\_status is cancelled.**

**[Note : cust\_id,fullname(firstname lastname),order\_quantity,sales\_id,order\_status]**

**9. Write a query to Show distinct records of customer\_id, full name and total order value of premium customers (i.e. the customers who bought items total worth greater than RS.1000 )**

**[NOTE: customer\_id,fullname (Firstname Lastname),total(orderquantity\*price)]**

**10. write a query to display the List out customers who haven’t bought any ‘bread’ or ‘butter’.**

**[NOTE:cust\_id,full name(first\_name last\_name),sales\_id,order\_status,product\_name]**