**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.**

**Select emp\_name,state,salary,dept\_id from hired right join department on department.emp\_id= hired.emp\_id**

**Join salary on department.emp\_id = salary.emp\_id and salary.dept\_id = department.dept\_id**

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

**Select emp\_name,salary,dept\_id from hired left join department on department.emp\_id= hired.emp\_id**

**Left Join salary on salary.emp\_id = hired.emp\_id**

**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]**

**Select \* from department left join hired on hired.emp\_id = department.emp\_id**

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

**Select distinct(emp\_id) from hired inner join department on department.emp\_id = hired.emp\_id**

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

**& department table. together.**

**Select \* from hired inner join department on department.emp\_id = hired.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’.**

**Select \* from hired join salary on salary.emp\_id = hired.emp\_id where salary>20000 and state = ‘AP’**

**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’.**

**Select \* from hired join salary on salary.emp\_id = hired.emp\_id where salary>10000 and salary<3000 and state in(‘TN’,’OR’)**

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

**Table Name: Product**

**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]**

**Select cust\_id concat(firstname,lastname) as fullname, order\_quantity,sales\_id,order\_status from customer join orders on orders.cust\_id = customer.cust\_id**

**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]**

**Select cust\_id concat(firstname,lastname) as fullname, sales\_id,order\_status,product\_name from customer join orders on orders.cust\_id = customer.cust\_id join product on product.product\_id = orders.product\_id where product\_name not in (‘bread’,’butter’) group by cust\_id**