**SQL CASE STUDY 1**

**Schema:**

**create table salesman(salesman\_id bigint,name varchar (25),city varchar(30),**

**commission float);**

**create table customer(customer\_id bigint,cust\_name varchar (25),city varchar(30),**

**grade bigint,salesman\_id bigint);**

**insert into salesman(salesman\_id,name,city,commission) values**

**(5001,'James Hoog','New York',0.15),**

**(5002,'Nail Knite','Paris',0.13),**

**(5005,'Pit Alex','London',0.11),**

**(5006,'Mc Lyon','Paris',0.14),**

**(5007,'Paul Adam','Rome',0.13),**

**(5003,'Lauson Hen','San Jose',0.12);**

**insert into customer(customer\_id,cust\_name,city,grade,salesman\_id) values**

**(3002 ,'Nick Rimando','New York',100,5001),**

**(3007,'Brad Davis','New York',200,5001),**

**(3005,'Graham Zusi','California',200,5002),**

**(3008,'Julian Green','London',300,5002),**

**(3004,'Fabian Johnson','Paris',300,5006),**

**(3009,'Geoff Cameron','Berlin',100,5003);**

**create table film(title varchar(25),rating varchar(10),cost float8);**

**insert into film(title,rating,cost) values**

**('Conquerer Nuts','G',14.99),**

**('Fantasia Park','G',29.99),**

**('Extraordinary','PG',31.24),**

**('Exorcist sitting','G',21.35),**

**('Heaven freedom','PG',19.29),**

**('Hell Fighters','G',23.99),**

**('Horn Working','PG',72.21);**

1. From the following tables write a SQL query to find the salesperson and customer who belongs to same city. Return Salesman, cust\_name and city.

salesman table

customer table

Solution:-

**2.Display Salesman,Customer name ,purchase amount of all customers having purchase amount greater than 1000.**

|  |  |  |
| --- | --- | --- |
| James Hoog | Brad Davis | 2400.6 |

Solution:-

3. Write a query to display title,rating,cost,average cost rating wise.

4. Write a SQL query to display title,length1,row number by length from film table

5. Write a query to display title and rank all films by cost.

--Hint :use rank()

Solution:-

6. --Write a sql query to display title,cost,fifth costliest film using windows analytical functions.

Solution:

7.Write a query to display all salesman with commission having two ‘o’ s in their name

8. Display all order number with purchase amount having purchase amount between 100 and 200.

9. -- The company is analyzing the purchase amount for shipping and prioritzing according to purchase amount.

-- Categorizing the purchase amount if greater than 2000 then 'High Value'

if purchase amount between 1000 and 2000 then 'Average value'

else 'Low value'