**2CS402 Database Management System**

|  |  |
| --- | --- |
| **Innovative Assignment -II** | |
| **19BCE006** | **Het Aghera** |
| **19BCE023** | **Mihir Bhanderi** |
| **19BCE026** | **Kush Bhatt** |

**TABLE CREATION**

**SQL> desc inn\_customer;**

**Name Null? Type**

**CID NOT NULL VARCHAR2(6)**

**NAME NOT NULL VARCHAR2(15)**

**PHONE NOT NULL NUMBER(10)**

**ADDRESS NOT NULL VARCHAR2(50)**

**PASSWORD NOT NULL VARCHAR2(30)**

**SQL> desc inn\_orders;**

**Name Null? Type**

**OID NOT NULL VARCHAR2(6)**

**PID NOT NULL VARCHAR2(6)**

**COID NOT NULL VARCHAR2(6)**

**CID NOT NULL VARCHAR2(6)**

**ORDERDATE NOT NULL DATE**

**QUANTITY NOT NULL NUMBER(5)**

**DELIVERYSTATUS NOT NULL VARCHAR2(12)**

**SQL> desc inn\_product;**

**Name Null? Type**

**PID NOT NULL VARCHAR2(6)**

**CATID NOT NULL VARCHAR2(6)**

**PNAME NOT NULL VARCHAR2(30)**

**SID NOT NULL VARCHAR2(6)**

**PRICE NOT NULL NUMBER(8)**

**STOCK NOT NULL NUMBER(5)**

**SQL> desc inn\_websites;**

**Name Null? Type**

**WADDRESS NOT NULL VARCHAR2(50)**

**WNAME NOT NULL VARCHAR2(50)**

**WPHONE NOT NULL VARCHAR2(10)**

**SQL> desc inn\_supplier;**

**Name Null? Type**

**SID NOT NULL VARCHAR2(6)**

**SNAME NOT NULL VARCHAR2(15)**

**SPHONE NOT NULL NUMBER(10)**

**SADDRESS NOT NULL VARCHAR2(50)**

**WADDRESS NOT NULL VARCHAR2(50)**

**SQL> desc inn\_category;**

**Name Null? Type**

**CATID NOT NULL VARCHAR2(6)**

**CATEGORYNAME NOT NULL VARCHAR2(30)**

**SQL> desc inn\_courier;**

**Name Null? Type**

**COID NOT NULL VARCHAR2(6)**

**NAME NOT NULL VARCHAR2(15)**

**PHONE NOT NULL NUMBER(10)**

**ADDRESS NOT NULL VARCHAR2(50)**

**CONTENT OF TABLES**

**SQL> select \* from inn\_customer;**

**CID NAME PHONE ADDRESS PASSWORD**

**C01 Ghanshyam 9777777771 Surat Ghan@123**

**C02 Sam 9777777772 Mehsana Sam@987**

**C03 Luffy 9777777773 Ahmedabad Meat@123**

**C04 Zoro 9777777774 Rajkot Santoryu**

**C05 Nami 9777777775 Amreli Berries**

**SQL> select \* from inn\_orders;**

**OID PID COID CID ORDERDATE QUANTITY DELIVERYSTAT**

**O01 P01 Co1 C01 01-MAR-21 2 InProcess**

**O02 P02 Co2 C02 01-FEB-21 2 Fulfilled**

**O03 P03 Co3 C03 01-JAN-21 1 Fulfilled**

**O04 P04 Co4 C04 14-FEB-21 1 Cancelled**

**O05 P05 Co5 C05 31-DEC-20 3 ReturnOrder**

**O06 P08 Co1 C05 11-MAR-21 2 InProcess**

**O07 P09 Co2 C05 21-FEB-21 2 Fulfilled**

**O08 P10 Co3 C04 08-JAN-21 1 Fulfilled**

**O09 P12 Co5 C02 19-JAN-21 1 Fulfilled**

**O10 P06 Co4 C04 13-FEB-21 1 Cancelled**

**O11 P07 Co5 C05 05-DEC-20 3 ReturnOrder**

**SQL> select \* from inn\_product;**

**PID CATID PNAME SID PRICE STOCK**

**P01 Ct1 Nike T-Shirt S01 1000 10**

**P02 Ct2 Philips Mixer S02 1990 5**

**P03 Ct3 Galaxy S21 S03 75999 9**

**P04 Ct4 Puma Shoes S04 4000 15**

**P05 Ct5 SG Bat S05 1500 8**

**P06 Ct1 Gucci T-Shirt S01 5000 10**

**P07 Ct2 LG Oven S02 3990 15**

**P08 Ct3 OnePlus 9 S03 49999 19**

**P09 Ct4 Skechers Shoes S04 5000 18**

**P10 Ct5 Cricket Ball S05 1500 10**

**P11 Ct1 Customized T-Shirt S05 1000 0**

**P12 Ct2 PS-5 S02 10000 0**

**SQL> select \* from inn\_websites;**

**WADDRESS WNAME WPHONE**

**www.abc.com ABC 9999999991**

**www.xyz.com XYZ 9999999992**

**www.pqr.com PQR 9999999993**

**SQL> select \* from inn\_supplier;**

**SID SNAME SPHONE SADDRESS WADDRESS**

**S01 Mihir 9888888881 Nikol www.abc.com**

**S02 Kush 9888888882 SG Highway www.xyz.com**

**S03 Het 9888888883 Naranpura www.pqr.com**

**S04 Ram 9888888884 Maninagar www.xyz.com**

**S05 Shyam 9888888885 Satellite www.abc.com**

**SQL> select \* from inn\_category;**

**CATID CATEGORYNAME**

**Ct1 Clothes**

**Ct2 Home Appliances**

**Ct3 Mobiles and Accessories**

**Ct4 Shoes**

**Ct5 Sports**

**SQL> select \* from inn\_courier;**

**COID NAME PHONE ADDRESS**

**Co1 A Couriers 9666666661 Surat**

**Co2 B Couriers 9666666662 Mehsana**

**Co3 C Couriers 9666666663 Ahmedabad**

**Co4 D Couriers 9666666664 Rajkot**

**Co5 E Couriers 9666666665 Amreli**

**QUERIES**

1. **List the orders whose status is either cancelled or fulfilled.**

***Query:***

SQL> select oid, deliverystatus from inn\_orders where deliverystatus='Cancelled' or deliverystatus='Fulfilled';

OID DELIVERYSTAT

------ ------------

O02 Fulfilled

O03 Fulfilled

O04 Cancelled

O07 Fulfilled

O08 Fulfilled

O09 Fulfilled

O10 Cancelled

1. **List the name, city and state of customers who are not in the state of “Ahmedabad”.**

***Query:***

SQL> select cid, name, address from inn\_customer where address!='Ahmedabad';

CID NAME ADDRESS

------ --------------- --------------------------------------------------

C01 Ghanshyam Surat

C02 Sam Mehsana

C04 Zoro Rajkot

C05 Nami Amreli

1. **Display order placed by customer c05 between 01-01-2021 date 31-01-2021.**

***Query:***

SQL> select orderdate, oid, pid, cid from inn\_orders where orderdate between '01-JAN-21' and '31-JAN-21';

ORDERDATE OID PID CID

--------- ------ ------ ------

01-JAN-21 O03 P03 C03

08-JAN-21 O08 P10 C04

19-JAN-21 O09 P12 C02

1. **Display product ordered by customer="Zoro" on date="14-FEB-21"**

***Query:***

SQL> select p.pname from inn\_product p, inn\_orders o, inn\_customer c where o.orderdate='14-FEB-21' and c.cid=o.cid and p.pid=o.pid and c.name='Zoro';

PNAME

------------------------------

Puma Shoes

1. **Display pname whose price is between 1000 and 5000**

***Query:***

SQL> select pid, pname from inn\_product where price between 1000 and 5000;

PID PNAME

------ ------------------------------

P01 Nike T-Shirt

P02 Philips Mixer

P04 Puma Shoes

P05 SG Bat

P06 Gucci T-Shirt

P07 LG Oven

P09 Skechers Shoes

P10 Cricket Ball

P11 Customized T-Shirt

1. **Display product details which are not in stock**

***Query:***

SQL> select catid as Category, pname,price from inn\_product where stock=0;

CATEGO PNAME PRICE

------ ------------------------------ ----------

Ct1 Customized T-Shirt 1000

Ct2 PS-5 10000

1. **Display products details that are Returned on this date**

***Query:***

SQL> select o.cid, c.name, p.pname from inn\_product p,inn\_customer c,inn\_orders o where p.pid=o.pid and o.orderdate='31-DEC-20' and o.deliverystatus='ReturnOrder' and o.cid=c.cid;

CID NAME PNAME

------ --------------- ------------------------------

C05 Nami SG Bat

1. **Display categoryname supplied by Shyam**

***Query:***

SQL> select distinct s.sname, p.catid, c.categoryname from inn\_product p,inn\_category c,inn\_supplier s where p.sid=s.sid and p.catid=c.catid and s.sname='Shyam';

SNAME CATID CATEGORYNAME

--------------- ------ ------------------------------

Shyam Ct5 Sports

Shyam Ct1 Clothes

1. **Display Website from which Galaxy S21 is placed**

***Query:***

SQL> select w.waddress,w.wname from inn\_supplier s,inn\_websites w,inn\_product p where s.sid=p.sid and w.waddress=s.waddress and p.pname='Galaxy S21';

WADDRESS WNAME

-------------------------------------------------- --------------------------------------------------

www.pqr.com PQR

1. **Display 2nd highest customer according to orders given**

***Query:***

SQL> select o1.cid, c.name from inn\_orders o1, inn\_customer c where 1=(select count(o2.oid) from inn\_orders o2 where o1.oid<o2.oid) and o1.cid=c.cid ;

CID NAME

------ ---------------

C04 Zoro

1. **Display customer detail according to orders given**

***Query:***

SQL> select count(o.oid), c.name, (o.cid) from inn\_customer c inner join inn\_orders o on o.cid=c.cid group by o.cid,c.name order by count(o.oid) desc;

COUNT(O.OID) NAME CID

------------ --------------- ------

4 Nami C05

3 Zoro C04

2 Sam C02

1 Ghanshyam C01

1 Luffy C03

1. **Display categoryname supplied by all Suppliers**

***Query:***

SQL> select distinct s.sname, p.catid, c.categoryname from inn\_product p,inn\_category c,inn\_supplier s where p.sid=s.sid and p.catid=c.catid;

SNAME CATID CATEGORYNAME

--------------- ------ ------------------------------

Shyam Ct5 Sports

Shyam Ct1 Clothes

Het Ct3 Mobiles and Accessories

Kush Ct2 Home Appliances

Mihir Ct1 Clothes

Ram Ct4 Shoes

1. **Display Websites from which Products are Ordered**

***Query:***

SQL> select p.pname,w.wname from inn\_supplier s,inn\_websites w,inn\_product p where s.sid=p.sid and w.waddress=s.waddress;

PNAME WNAME

------------------------------ --------------------------------------------------

Nike T-Shirt ABC

Philips Mixer XYZ

Galaxy S21 PQR

Puma Shoes XYZ

SG Bat ABC

Gucci T-Shirt ABC

LG Oven XYZ

OnePlus 9 PQR

Skechers Shoes XYZ

Cricket Ball ABC

Customized T-Shirt ABC

PS-5 XYZ

1. **Display bill of all orders with 10% discount**

***Query:***

SQL> select o.oid,0.9\*(o.quantity\*p.price) as Bill from inn\_orders o, inn\_product p where o.pid=p.pid;

OID BILL

------ ----------

O01 1800

O02 3582

O03 68399.1

O04 3600

O05 4050

O06 89998.2

O07 9000

O08 1350

O09 9000

O10 4500

O11 10773

1. **Display Courier Company name whose orders are In Process.**

***Query:***

SQL> select o.oid, c.name, o.deliverystatus from inn\_courier c, inn\_orders o where o.coid=c.coid and o.deliverystatus='InProcess';

OID NAME DELIVERYSTAT

------ --------------- ------------

O01 A Couriers InProcess

O06 A Couriers InProcess

1. **Display number of orders fulfilled by Courier Companies**

***Query:***

SQL> select count(o.oid) as total, c.name, o.deliverystatus from inn\_courier c, inn\_orders o where o.coid=c.coid and o.deliverystatus='Fulfilled' group by o.deliverystatus,c.name;

TOTAL NAME DELIVERYSTAT

---------- --------------- ------------

1 E Couriers Fulfilled

2 C Couriers Fulfilled

2 B Couriers Fulfilled