E-SHOPPING
DATABASE MANAGEMENT SYSTEM

A PROJECT

SUBMITTED IN COMPLETE FULFILLMENT OF THE REQUIREMENTS

FOR THE AWARD OF THE DEGREE

OF

BACHELOR OF TECHNOLOGY

IN

INFORMATION TECHNOLOGY

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TABLES

Table Name: Customer

Field	Type
Cust_id(PRIMARY KEY)	Integer NOT NULL
Name	Varchar(50)
Contact	char(11)
Address	Varchar(50)

Table Name: Categories

Field	Type
Cat_id(PRIMARY KEY)	Integer NOT NULL
Cat_name	Varchar(50)
Cat_type	Varchar(11)

Table Name: Shopping_Order

Field	Type
Order_id (PRIMARY KEY)	Integer NOT NULL
Customer_id (FOREIGN KEY)	Integer NOT NULL
Date_of_order	DATE

Table Name: Delivery

Field	Type
delivery_id (PRIMARY KEY)	Integer NOT NULL
Cust_id (FOREIGN KEY)	Integer NOT NULL
Date_of_delivery	DATE

Table Name: Products

Field	Type
P_id (PRIMARY KEY)	Integer NOT NULL
Category_id (FOREIGN KEY)	Integer NOT NULL
P_name	Varchar(50)

Table Name: Seller

Field	Type
Seller_id (PRIMARY KEY)	Integer NOT NULL
product_id (FOREIGN KEY)	Integer NOT NULL
s_name	Varchar(50)

Table Name: Payment

Field	Type
Pay_id (PRIMARY KEY)	Integer NOT NULL
Customer_id (FOREIGN KEY)	Integer NOT NULL
Date_of_payment	DATE

Table Name: Transaction_details

Field	Type
report_id (PRIMARY KEY)	Integer NOT NULL
customer_id (FOREIGN KEY)	Integer NOT NULL
order_id(FOREIGN KEY)	Integer NOT NULL
product_id(FOREIGN KEY)	Integer NOT NULL
payment_id(FOREIGN KEY)	Integer NOT NULL

```sql
create database Online_Shopping_System ;

use Online_shopping_system ;

create table Customer(Cust_id integer NOT NULL,

Name varchar(50),

Contact char(11),

Address varchar(50),

PRIMARY KEY(Cust_id));

insert into Customer values (1,"Aryan Karkra", 9999888877, "Gurugram") ;

delete from Customer where cust_id=1;

create table Shopping_Order(Order_id integer NOT NULL,

Customer_id integer NOT NULL,

Date_of_order DATE,

PRIMARY KEY(Order_id),

FOREIGN KEY(Customer_id) REFERENCES Customer(Cust_id) ) ;

create table Categories(Cat_id integer NOT NULL,

Cat_name varchar(50),

Cat_type varchar(50),

PRIMARY KEY(Cat_id));

insert into Categories values(100, "ABC", "XYZ") ;

delete from Categories where Cat_id=100 ;

select * from Categories ;

alter table Categories drop Cat_type ;

select * from categories ;

create table Delivery(delivery_id integer NOT NULL,

Cust_id integer NOT NULL,

Date_of_delivery DATE,

PRIMARY KEY(delivery_id),
```

```sql
FOREIGN KEY(Cust_id) REFERENCES Customer(Cust_id) );


create table Products(P_id integer NOT NULL,

P_name varchar(50),

category_id integer NOT NULL,

PRIMARY KEY(P_id),

FOREIGN KEY(category_id) REFERENCES Categories(Cat_id) );

create table Seller(Seller_id integer NOT NULL,

s_name varchar(50),

product_id integer NOT NULL,

PRIMARY KEY(Seller_id),

FOREIGN KEY(product_id) REFERENCES Products(P_id) );

create table Payment(Pay_id integer NOT NULL,

date_of_payment DATE,

customer_id integer NOT NULL,

PRIMARY KEY(Pay_id),

FOREIGN KEY(customer_id) REFERENCES Customer(Cust_id) );

create table Transaction_details(report_id integer NOT NULL,

customer_id integer NOT NULL,

order_id integer NOT NULL,

product_id integer NOT NULL,

payment_id integer NOT NULL,

PRIMARY KEY(report_id),

FOREIGN KEY(customer_id) REFERENCES Customer(Cust_id),

FOREIGN KEY(order_id) REFERENCES Shopping_order(order_id),

FOREIGN KEY(product_id) REFERENCES Products(P_id),

FOREIGN KEY(product_id) REFERENCES Products(P_id) );
```

show tables ;

insert into delivery

values (201,1,"2022-01-10"),(202,2,"2022-01-19"),(203,4,"2022-02-09"),(204,5,"2022-02-25"),(205,8,"2022-03-06");

select * from delivery;

insert into categories

values (101,"apparels"),(102,"electronics"),(103,"footwear"),(104,"jewellary"),(105,"Fashion Accessories"),(106,"cosmetics"),(107,"home decor"),(108,"books");

select * from categories;

insert into Customer values

(1,'Aryan karkra',9871777857,'gurugram'),

(2,'ishita',9871633227,'pitampura'),

(3,'mehak garg',9575523857,'vaishali'),

(4,'raavi singh',9800525257,'Kanhaiya nagar'),

(5,'gaurav garg',8871752527,'Rohtak'),

(6,'mayank',9972525267,'saket'),

(7,'japkirat singh',9185785195,'chattarpur'),

(8,'piyush kumar',9572285025,'chandi chowk'),

(9,'rajkumar chauhan',8499952892,'Noida'),

(10,'prashant tiwari',9992588529,'Panipat');

select * from Customer;

insert into Shopping_Order values

(1001,1,'2022-01-03'),

(1002,2,'2022-01-15'),

(1003,4,'2022-02-04'),

```sql
(1004,5,'2022-02-21'),

(1005,8,'2022-02-27'),

(1006,10,'2022-03-05');

select * from shopping_order;


insert into Products values

(301,'lewis jeans',101),

(302,'Monte carlo Tshirts',101),

(303,'apple',102),

(304,'samsung',102),

(305,'bata',103),

(306,'nike',103),

(307,'tanishq',104),

(308,'gucci',105),

(309,'lakme',106),

(310,'himalaya',106),

(311,'Gulmohar lane',107),

(312,'penguin',108);

select * from Products;


insert into Transaction_details values

(801,1,1001,301,501),

(802,2,1002,308,502),

(803,4,1003,310,503),

(804,5,1004,303,504),

(805,8,1005,306,505),

(806,10,1006,312,506);
```

```sql
select * from Transaction_details;

insert into Payment values
(501,'2022-01-03',1),
(502,'2022-01-15',2),
(503,'2022-02-04',4),
(504,'2022-02-21',5),
(505,'2022-02-27',8),
(506,'2022-03-05',10);

select * from Payment;
```

QUERIES

Q1 Details of customers who made payments after 21st Feb, 2022

Q2 Details of products belonging to footwear or jewellery category

Q3 All products of category "footwear" that have been ordered.

Q4 All the deliveries made after 9th Feb, 2022.

Q5 All the customers who have not made any order.

Q6 Category-wise no. of products.

Q7 Details of order placed by Prashant tiwari.

select Cust_id,Name,Contact,Address from Customer,Payment where date_of_payment>"2022-02-22" and Cust_id=customer_id;

	Cust_id	Name	Contact	Address
▶	8	piyush kumar	9572285025	chandi chowk
	10	prashant tiwari	9992588529	Panipat

select P_id,P_name,category_id from products,Categories where Categories.cat_id=products.category_id and (cat_name="footwear" or cat_name="jewellary");

	P_id	P_name	category_id
▶	305	bata	103
	306	nike	103
	307	tanishq	104

select P_id,P_name,category_id from products,Categories as Ca,Transaction_details as tr where tr.product_id=products.P_id and Ca.cat_id=products.category_id and cat_name="footwear";

	P_id	P_name	category_id
▶	306	nike	103

select Name,P_id,P_name,Date_of_delivery from Customer,delivery,products,Transaction_details as tr where Date_of_delivery>"2022-02-09" and delivery.Cust_id=customer_id and P_id=product_id and Customer.cust_id=customer_id;

	Name	P_id	P_name	Date_of_delivery
▶	gaurav garg	303	apple	2022-02-25
	piyush kumar	306	nike	2022-03-06

select * from Customer where Cust_id NOT IN (select Customer_id from shopping_order);

Cust_id	Name	Contact	Address
3	mehak garg	9575523857	vaishali
6	mayank	9972525267	saket
7	japkirat singh	9185785195	chattarpur
9	rajkumar chauhan	8499952892	Noida

select category_id,count(*) from products group by category_id;

category_id	Number of Products
101	2
102	2
103	2
104	1
105	1
106	2
107	1
108	1

select P_id,P_name,shopping_order.Order_id,Name from
products,shopping_order,Customer,Transaction_details where Name="prashant tiwari" and
Transaction_details.order_id=shopping_order.Order_id and P_id=product_id and
Customer.Cust_id=shopping_order.customer_id;

P_id	P_name	Order_id	Name
312	penguin	1006	prashant tiwari