

Product Table

ProductID int Primary Key

ProductName varchar(25)

ProductPrice float

stock int

Customer Table

CustomerID Primary Key

CustomerName

CustomerCity

Order Table

OrderID Primary Key

ProductID Foreign Key

CustomerID Foreign Key

Quantity

OrderDate

- 1) Display all the information of Order and Product using inner join.
- 2) Display OrderID, ProductName, CustomerID, Quantity * ProductPrice as order_amount from order and product table and order them in the desc order of order_amount.
- 3) Display the count of orders for each customers.
- 4) Display CustomerID, CustomerName, OrderID, OrderDate, ProductID, Quantity from customer and order table using inner join and using clause.
- 5) Create view as temp1 from order and product table with following information OrderID, ProductName, Quantity, OrderDate, ProductPrice.
- 6) Display the details of the products which are purchased from customers;
- 7) Display customer names who have placed more than 1 times order;
- 8) select the information from three tables using inner join
- 9) display customer names who have with their total order_amount from all the orders
- 10) Display product wise sum of order amount (consolidated from group of product)

create table order2(orderid int primary key, ProductID int, customer_id int, Quantity int, Orderdate date, foreign key(ProductID) references product(ProductID), foreign key(customer_id) references customer(customer_id));

1) select * from order2 inner join product on order2.ProductID=product.ProductID;
select * from order2 natural join product;
select * from order2 inner join product using(ProductID);
2) select orderid,ProductName,customer_id,Quantity*ProductPrice as "orderprice" from order2 inner join product using(ProductID);
select orderid,ProductName,customer_id,Quantity*ProductPrice as "orderprice" from order2 inner join product using(ProductID) order by orderprice desc;
3) select customer_id, count(orderid) from order2 group by customer_id;
select * from product where ProductID in(select distinct ProductID from order2);
mysql> select customer_name, count(orderid) from order2 inner join customer using(customer_id) group by customer_name;
mysql> select customer_name, count(orderid) from order2 inner join customer using(customer_id) group by customer_name having count(orderid)>1;

8)
select * from order2 inner join customer using(customer_id) inner join product using(ProductID);
9) select customer_name,sum(ProductPrice*Quantity) from order2 inner join customer using(customer_id) inner join product using(ProductID) group by customer_name;
select customer_id,sum(ProductPrice*Quantity) from order2 inner join customer using(customer_id) inner join product using(ProductID) group by customer_id;

select ProductName,sum(Quantity*ProductPrice) as "orderprice" from order2 inner join product using(ProductID) group by ProductName having orderprice>=500;

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mysql> select * from order2;

orderid	ProductID	customer_id	Quantity	Orderdate
1001	11	1	5	2022-09-02
1002	12	1	15	2022-08-03
1003	12	2	100	2021-07-03
1004	13	3	25	2022-05-13
1005	14	3	5	2022-10-23
1006	12	4	45	2022-11-11

6 rows in set (0.00 sec)

mysql> select * from product;

ProductID	ProductName	ProductPrice	stock
11	maggi	10	50
12	KitKat	5	150
13	pepsi	20	20
14	limca	30	120
15	tang	100	4

5 rows in set (0.02 sec)

mysql> select * from customer;

customer_id	customer_name	address	country
1	Roy	Delhi	INDIA
2	Mark	Liverpool	UK
3	Eric	NewYork	USA
4	alfred	Chicago	USA
5	Ivana	Sydney	AUSTRALIA
6	Amit	Ahmedabad	INDIA
7	Roy	Mumbai	INDIA

7 rows in set (0.00 sec)