Information and Database Management Systems (IDBMS)
Lab Assignment #6

Consider the modernized version of Microsoft's *Northwind* database given in Assignment 3. Perform the following:

1. Create a view "ProductSupplier" that shows the product names along with their supplier names.

2. Using the view "ProductSupplier", list the names of suppliers who supply the product names start with 'C'.

3. Create a view called "TotalOrders" that shows the total number of orders placed and total amount spent by each customer after his or her name.

4. Using the view "TotalOrders", list the names of customers who spen more than the average expenditure placed by all customers.

5. Create a view "SupplierCountry" that shows the number of suppliers in each country.

6. Create a view "Discount" that shows the supplier names, product names supplied by them and the discount amount given on these products.

7. Using the view "Discount", find the supplier name who provide the second highest discount.

Assignment-6   Dr Sonam Nahas

CUSTOMER

id*	FirstName	LastName	City	Country	Phone

ORDERITEM

id*	OrderId	ProductId	UnitPrice	Quantity

ORDERS

id*	OrderDate	OrderNumber	CustomerId	TotalAmount

PRODUCT

id*	ProductName	SupplierId	UnitPrice	Package	IsDiscountinued

SUPPLIER

id*	CompanyName	ContactTitle	City	Country	Phone	Fax

01.
```
create   view   ProductSupplier   AS
select   s. CompanyName, p. ProductName
From     PRODUCT p, SUPPLIER s, ORDERITEM o
where    p.id = o.OrderId  and s.id = o.ProductId;
```

02
```
select   *
From     ProductSupplier
Where    ProductName
like     'C%';
```

```sql
create view TotalOrders AS
select concat (c.FirstName, " ", c.LastName),
       sum (o.TotalAmount) as TotalAmount,
       count (o.Customerid) as NoOrders
from CUSTOMER c, ORDERS o
Where o.Customerid = c.id
Group by o.Customerid;
```

```sql
select /*/ from TotalOrders
Wh

Select *
from TotalOrders
where Total Amount > (select avg (TotalAmount)
                      from TotalOrders);
```

```sql
create view SupplierCountry as
select Country, count (Country)
from SUPPLIER
Group by Country;
```

```sql
create view Discount AS
select p.UnitPrice - o.UnitPrice as discount,
       p.ProductName, S.CompanyName
From SUPPLIER s, ORDERITEM o, PRODUCT P
where s.id = p.Supplierid and p.id = o.Productid;
```

87.   select   distinct CompanyName
     from   Discount
     where discount = (select max(discount) ~~from~~
                       from Discount
                       where discount < (select max(discount)
                                 from Discount)
               );