

QUERIES

Late or Slow Delivery Order's vendors courier products:

use OnlineShopping

```
select "Vendor Name","Vendor Contact", "Vendor Email","Courier Name",
"Courier Contact", TrackingID, CityName, OrderDate, ProductName, Price,
Rating, Comment
from Product
inner join (
    select Rating, Comment, CityName, OrderDate, TrackingID, "Ven-
dor Name", "Vendor Contact", "Vendor Email", "Courier Name", "Courier
Contact", ProductID, Price
    from City
    inner join(
        select Rating, Comment, CityID, OrderDate, TrackingID, "Vendor
Name", "Vendor Contact", "Vendor Email", "Courier Name", "Courier Con-
tact", ProductID, Price
        from ZipCode
        inner join(
            select Rating, Comment, ZipCodeID,
OrderDate, TrackingID, "Vendor Name", "Vendor Contact", "Vendor Email",
"Courier Name", "Courier Contact", ProductID, Price
            from Address
            inner join(
                select Rating, Comment, AddressID,
OrderDate, TrackingID, "Vendor Name", "Vendor Contact", "Vendor Email",
Courier.Name as "Courier Name", Courier.Contact as "Courier Contact", Pro-
ductID, Price
                from Courier
                inner join (
                    select Rating, Comment, AddressID, OrderDate,
TrackingID, Name as "Vendor Name", Contact as "Vendor Contact", Email as
"Vendor Email", CourierID, ProductID, Price
                    from Vendor
                    inner join(
                        select Rating, Comment,
AddressID, OrderDate, TrackingID, VendorID, CourierID, ProductID, Price
                        from VendorProduct
                        inner join(
```

```

select Rating,
Comment, AddressID, OrderDate, TrackingID, CourierID, VendorProductID
from VendorCourier
inner join(
select Rating, Comment,
AddressID, OrderDate, TrackingID, VendorCourierID, VendorProductID
from Orders
inner join(
select
Rating, Comment, OrderID, VendorProductID
from
OrderedProduct
inner
join(
select
Rating, Comment, OrderedProductID
from
Review
where
Comment like '%late%deliver%' OR
Comment
like '%slow%deliver%' OR
Comment
like '%deliver%late%' OR
Comment
like '%deliver%slow%'
)
rc
on rc.OrderedProductID = OrderedProduct.OrderedProductID
)
od on
od.OrderID = Orders.OrderID
)
vcid on
vcid.VendorCourierID = VendorCourier.VendorCourierID
)
vpn on vpn.VendorProductID
= VendorProduct.VendorProductID
)
vcn on vcn.VendorID =
Vendor.VendorID
)
cd on cd.CourierID = Courier.CourierID
)
aid on aid.AddressID = Address.AddressID
)
lid on lid.ZipCodeID = ZipCode.ZipCodeID
)

```

```

ccid on ccid.CityID = City.CityID
)
Pna on pna.ProductID = Product.ProductID

```

Preferred courier by all vendors :

use OnlineShopping

```

select Courier.Name,Contact,No_of_Orders
from Courier
inner join(
select Top 1 CourierID,count(courierID) as No_of_Orders
from VendorCourier

```

```

inner join(
select VendorCourierID
from Orders) vcid on vcid.VendorCourierID=VendorCourier.CourierID group
by CourierID order by No_of_Orders desc)
cn on cn.CourierID=Courier.CourierID

```

Same vendor courier for any customer :

use OnlineShopping;

```

Select FirstName, LastName, VendorName, Name as CourierName
From Courier

```

```

inner join (
    Select FirstName, LastName, Name as VendorName, CourierID
    From Vendor

```

```

    inner join (
        Select FirstName, LastName, VendorID, CourierID
        From VendorCourier

```

```

        inner join (
            Select FirstName, LastName, VendorCourierID
            From Customer

```

```

            inner join (
                Select CustomerID, VendorCourierID
                From Orders
            Where VendorCourierID = (Select max(VendorCourierID)
From Orders)
        ) cid on cid.CustomerID = Customer.CustomerID

```

) vcid on vcid.VendorCourierID = VendorCourier.VendorCourierID

) vid on vid.VendorID = Vendor.VendorID

) crid on crid.CourierID = Courier.CourierID

Top 3 Cities as per no. of orders :

use OnlineShopping

```
select Top 3 City.CityName,"no of Orders"
from City inner join(
    select ZipCode.CityID,"no of Orders"
    from ZipCode inner join
        (select Address.ZipCodeID,count(Address.ZipCodeID)
as "no of Orders"
        from Address inner join
            (select AddressID
            from Orders) ad
            on ad.AddressID=Address.AddressID
            group by Address.ZipCodeID)
        zpc on zpc.ZipCodeID=ZipCode.ZipCodeID)
    ck on ck.CityID=city.CityID

order by "no of Orders" desc
```

Top 3 most selling products :

use OnlineShopping

```
select Name,Product.ProductName,OrderedQuantity
from Product
```

```
inner join(
select vendor.Name,ProductID,OrderedQuantity
from Vendor
```

```
inner join(
```

```
select vendorID,ProductID,OrderedQuantity
from VendorProduct
inner join (
select TOP 3 OrderedProduct.VendorProductID,sum(Quantity) as OrderedQuan-
tity
```

```
from OrderedProduct group by VendorProductID order by orderedquantity  
desc) vpfk on vpfk.VendorProductID=VendorProduct.VendorProductID)  
vpid on vpid.VendorID=vendor.VendorID)  
vpvp on vpvp.ProductID=Product.ProductID
```