

QUERIES

Customer's with empty cart :

use OnlineShopping

```
select * from Customer
where Customer.CustomerID NOT IN (select CustomerID from Cart)
```

Customers who never ordered anything :

use OnlineShopping

```
select * from Customer
where Customer.CustomerID NOT IN (select CustomerID from Orders)
```

Full Address with most orders with customer :

use OnlineShopping;

```
Select FirstName, LastName, HouseNo, Street, Area, CityName
From City
```

```
inner join (
    Select FirstName, LastName, HouseNo, Street, Area, CityID
    From ZipCode
```

```
inner join (
    Select FirstName, LastName, HouseNo, Street, Area, ZipCodeID
    From Customer
```

```
inner join (
    Select CustomerID, HouseNo, Street, Area, ZipCodeID
    From Address
```

```
inner join (
    Select TOP 1 AddressID
    From Orders
```

```
Where AddressID = (Select max(AddressID) From
Orders)
```

```
) adid on adid.AddressID = Address.AddressID
```

```
) cid on cid.CustomerID = Customer.CustomerID
```

```
) zcid on zcid.ZipCodeID = ZipCode.ZipCodeID
```

) ctid on ctid.CityID = City.CityID

Average age of customers :

use OnlineShopping;

```
select sum(DATEDIFF ( year , customer.DOB , getdate() ))/Count(customerid)
as "Average Age"
from Customer
```

Highest value Order :

use OnlineShopping

```
select Top 1 FirstName, LastName, Contact, Name, ProductName, Qty, Total
from Customer
```

```
inner join(
```

```
    select Name, ProductName, CustomerID, Qty, Total
    from Orders
```

```
    inner join(
```

```
        select Name, ProductName, OrderID, Qty, Total
        from Product
```

```
        inner join(
```

```
            select Name, ProductID, OrderID, Qty, Total
            from Vendor
```

```
            inner join(
```

```
                select VendorID, ProductID, OrderID, Qty,
```

```
Qty*Price as Total
```

```
                from VendorProduct
```

```
                inner join(
```

```
                    select VendorProductID, OrderID,
```

```
Quantity as Qty
```

```
                    from OrderedProduct)
```

```
                vpoid on vpoid.VendorProductID=VendorProduct.VendorProductID
```

```
                voi on voi.VendorID=Vendor.VendorID)
```

```
            tp on tp.ProductID=Product.ProductID)
```

```
        cip on cip.OrderID=Orders.OrderID)
```

```
    cq on cq.CustomerID=Customer.CustomerID
```

```
Order by Total Desc
```