customerdetails
- 🔑 CustomerDetailsID INT
- ◇ CustomerType VARCHAR(45)
- Indexes ▶

genderdetails
- 🔑 GenderID INT
- ◇ Gender VARCHAR(45)
- Indexes ▶

supermarketdetails
- 🔑 InvoiceID VARCHAR(45)
- ◇ Date VARCHAR(45)
- ◇ Time VARCHAR(45)
- ◇ Grossmarginpercentage DOUBLE
- ◇ Ratings DOUBLE
- ◆ BranchID INT
- ◆ CustomerDetailsID INT
- ◆ GenderID INT
- ◆ PaymentId INT
- ◆ ProductLineID INT
- ◆ profitID INT
- ◆ SalesID INT
- Indexes ▶

paymenttypedetails
- 🔑 PaymentId INT
- ◇ Paymenttype VARCHAR(45)
- Indexes ▶

branchdetails
- 🔑 BranchID INT
- ◇ Branch VARCHAR(45)
- ◇ City VARCHAR(45)
- Indexes ▶

productlinedetails
- 🔑 ProductLineID INT
- ◇ ProductLine VARCHAR(45)
- Indexes ▶

salesdetails
- 🔑 SalesID INT
- ◇ InvoiceID VARCHAR(45)
- ◇ UnitPrice DOUBLE
- ◇ Quantity INT
- ◇ Tax5percent DOUBLE
- ◇ Total DOUBLE
- Indexes ▶

profitdetails
- 🔑 profitID INT
- ◇ InvoiceID VARCHAR(45)
- ◇ cogs VARCHAR(45)
- ◇ grossincome DOUBLE
- Indexes ▶

Assumptions
1)There is only 1 branch in each city
2)There are various products under each product line
3)Each unit price is unique for each product
What is min number of invoiceid a brandid could have
What is max number of invoiceid a brandid could have

Relationships

1.Each invoice has only 1 branch.Each branch can have many invoices
2.Each invoice can have many customertype and each customer type can have many invoices
3.Each customertype has many gender.Each gender has many customer type.
4.One invoiceId can have only one payment.Each payment type can have many invoiceid
5.One to one relationship between Supoermarketdetails table and the ProfitDetails table
6.One to one relationship between Supoermarketdetails table and the SalesdetailsDetails table
7.Each invoice can have many Productline and each Productline can have many invoices