import mysql.connector  
  
mydb = mysql.connector.connect(  
 host='127.0.0.1',  
 user='root',  
 passwd='Formylove14',  
 database='adventureworks'  
)  
  
mycursor = mydb.cursor()  
  
print('1. Find Total Sales by Credit Card Type:')  
  
#mycursor.execute('SELECT CardType, SUM(a.TotalDue) AS TotalSales \  
# FROM salesorderheader a \  
# inner join creditcard b \  
# ON a.CreditCardID = b.CreditCardID \  
# GROUP BY CardType;')  
  
#print(mycursor.fetchall())  
  
mycursor.execute('SELECT creditcard.cardtype, SUM(salesorderheader.totaldue) as TotalSales \  
 FROM creditcard \  
 INNER JOIN salesorderheader \  
 on creditcard.creditcardid = salesorderheader.creditcardid \  
 group by creditcard.cardtype;')  
  
Sales\_By\_CreditCardType = mycursor.fetchall()  
  
for x in Sales\_By\_CreditCardType:  
 print(x)  
  
print('')  
print('2. Find Total Sales by Product:')  
  
mycursor.execute('select product.name as Product, SUM(salesorderheader.totaldue) as TotalSales \  
 from salesorderdetail \  
 left outer join product \  
 on salesorderdetail.productid = product.productid \  
 left outer join salesorderheader \  
 on salesorderdetail.salesorderid = salesorderheader.salesorderid \  
 group by product.name;')  
  
Sales\_By\_Product = mycursor.fetchall()  
  
for x in Sales\_By\_Product:  
 print(x)  
  
print('')  
print('3. Print Total Sales by Ship State:')  
  
mycursor.execute('select SUM(salesorderheader.totaldue) as TotalSales, \  
 stateprovince.stateprovincecode as State \  
 from salesorderheader \  
 left outer join stateprovince \  
 on salesorderheader.territoryid = stateprovince.TerritoryID \  
 left outer join shipmethod \  
 on salesorderheader.shipmethodid = shipmethod.shipmethodid \  
 group by stateprovince.stateprovincecode;')  
  
Sales\_By\_ShipState = mycursor.fetchall()  
  
for x in Sales\_By\_ShipState:  
 print(x)  
  
print('')  
print('4. Print Total Sales by Territory Group:')  
  
mycursor.execute('select SUM(salesorderheader.subtotal) as TotalSales, \  
 salesterritory.name as TerritoryGroup \  
 from salesorderheader \  
 left outer join salesterritory \  
 on salesorderheader.territoryid = salesterritory.territoryid \  
 group by salesterritory.name;')  
  
Sales\_By\_TerritoryGroup = mycursor.fetchall()  
  
for x in Sales\_By\_TerritoryGroup:  
 print(x)  
  
print('')  
print('5. Find Total Sales by Ship Method:')  
  
mycursor.execute('select SUM(salesorderheader.totaldue) as TotalSales, \  
 shipmethod.name as Method \  
 from salesorderheader \  
 inner join shipmethod \  
 on salesorderheader.shipmethodid = shipmethod.shipmethodid \  
 group by shipmethod.name;')  
  
Sales\_By\_ShipMethod = mycursor.fetchall()  
  
for x in Sales\_By\_ShipMethod:  
 print(x)  
  
print('')  
print('6. Find Total Sales by Product Subcategory:')  
  
mycursor.execute('select sum(salesorderdetail.linetotal) as TotalSales, \  
 productsubcategory.name as SubCategoryName \  
 from salesorderdetail \  
 inner join product \  
 on salesorderdetail.productid = product.productid \  
 inner join productsubcategory \  
 on product.productsubcategoryid = productsubcategory.ProductSubcategoryID \  
 group by productsubcategory.name;')  
  
Sales\_By\_ProductSubcategory = mycursor.fetchall()  
  
for x in Sales\_By\_ProductSubcategory:  
 print(x)

