using System;

using System.Collections.Generic;

using System.Configuration;

using System.Data.SqlClient;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp32

{

public class DBHandler

{

public SqlConnection GetConnection()

{

string connectionString = ConfigurationManager.ConnectionStrings["SqlCon"].ToString();

SqlConnection sqlConnection = new SqlConnection(connectionString);

return sqlConnection;

}

}

public class Metalapps

{

public SqlConnection SqlCon;

public void AddSalesDetails(SalesDetails sd)

{

DBHandler dBHandler = new DBHandler();

SqlCon = dBHandler.GetConnection();

SqlCommand sqlCommand = new SqlCommand("Insert into SalesDetails values(@Sales\_id, @Customer\_name, @Noof\_units, @Net\_amount)", SqlCon);

sqlCommand.Parameters.AddWithValue("@Sales\_id", sd.SalesId);

sqlCommand.Parameters.AddWithValue("@Customer\_name", sd.CustomerName);

sqlCommand.Parameters.AddWithValue("@Noof\_units", sd.NoOfUnits);

sqlCommand.Parameters.AddWithValue("@Net\_amount", sd.NetAmount);

SqlCon.Open();

sqlCommand.ExecuteNonQuery();

SqlCon.Close();

sqlCommand.Dispose();

SqlCon.Dispose();

}

public void CalculateNetAmount(SalesDetails details)

{

float discount = 0;

if (details.NoOfUnits <= 5)

{

discount = 0;

}

else if (details.NoOfUnits > 5 && details.NoOfUnits <= 10)

{

discount = .02f;

}

else if (details.NoOfUnits > 10 && details.NoOfUnits <= 15)

{

discount = .05f;

}

else if (details.NoOfUnits > 15 && details.NoOfUnits <= 20)

{

discount = .08f;

}

else

{

discount = .1f;

}

details.NetAmount = (75350 \* details.NoOfUnits)

- (75350 \* details.NoOfUnits) \* discount;

}

}

public class SalesDetails

{

int salesId;

public int SalesId

{

get

{

return salesId;

}

set

{

salesId = value;

}

}

string customerName;

public string CustomerName

{

get

{

return customerName;

}

set

{

customerName = value;

}

}

int noOfUnits;

public int NoOfUnits

{

get

{

return noOfUnits;

}

set

{

noOfUnits = value;

}

}

double netAmount;

public double NetAmount

{

get

{

return netAmount;

}

set

{

netAmount = value;

}

}

}

}

App.config file

<?xml version="1.0" encoding="utf-8" ?>

<configuration>

<connectionStrings>

<add name="SqlCon" connectionString="data source=LAPTOP-53S2KQS8\SQLEXPRESS;initial catalog=SalesDatabase;

integrated security=true"/>

</connectionStrings>

<startup>

<supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.7.2" />

</startup>

</configuration>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp32

{

class Program

{

static void Main(string[] args)

{

try

{

Console.WriteLine("SalesId");

int SalesId = Convert.ToInt16(Console.ReadLine());

Console.WriteLine("CustomerName");

string CustomerName = Console.ReadLine();

Console.WriteLine("NoOfUnits");

int NoOfUnit = Convert.ToByte(Console.ReadLine());

if (NoOfUnit < 5)

throw new ArgumentOutOfRangeException("No Sales for units below 5");

SalesDetails salesDetails = new SalesDetails()

{

SalesId = SalesId,

CustomerName = CustomerName,

NoOfUnits = NoOfUnit,

NetAmount = 0

};

Metalapps metalapps = new Metalapps();

metalapps.CalculateNetAmount(salesDetails);

metalapps.AddSalesDetails(salesDetails);

}

catch (ArgumentOutOfRangeException obj)

{

Console.WriteLine(obj.Message);

}

}

}

}