**C# Hands on**

using System;

using System.Linq;

using System.Collections.Generic;

public class Program

{

/\* The following console application tries to solve the following

\* 1. List the sales made by a salesperson

\* 2. Pay the sales commission for a salesperson

\*/

public static void Main()

{

var sales = new List<Sales>() {

new Sales(){ InvoiceId = "INV102", SalesPerson="Bill", Amount=1200,CommissionPaid=60 },

new Sales(){ InvoiceId = "INV107", SalesPerson="Dave", Amount=4200,CommissionPaid=0 },

new Sales(){ InvoiceId = "INV106", SalesPerson="Paul", Amount=16000,CommissionPaid=0},

new Sales(){ InvoiceId = "INV103", SalesPerson="Mark", Amount=18000,CommissionPaid=0 },

new Sales(){ InvoiceId = "INV101", SalesPerson="Sayeed", Amount=2000,CommissionPaid=0 },

new Sales(){ InvoiceId = "INV109", SalesPerson="Christine", Amount=5200,CommissionPaid=0 },

new Sales(){ InvoiceId = "INV108", SalesPerson="Bill", Amount=6000,CommissionPaid=0 },

new Sales(){ InvoiceId = "INV104", SalesPerson="Mary", Amount=9800,CommissionPaid=0 },

new Sales(){ InvoiceId = "INV105", SalesPerson="Bill", Amount=12000,CommissionPaid=0 },

new Sales(){ InvoiceId = "INV100", SalesPerson="Melissa", Amount=12000,CommissionPaid=0 }

};

/\* Display all Bill's Sales Records(Both paid and unpaid).

\*/

// Implement here

/\* Call a method from SalesRep class to pay the sales commission for Bill(only for the sales records with CommissionPaid=0)

\* Display the total commission that has been paid

\*/

// Implement here

}

}

public class Sales

{

public string InvoiceId { get; set; }

public string SalesPerson { get; set; }

public double Amount { get; set; }

public double CommissionPaid { get; set; }

}

public class SalesRep

{

public string SalesPerson { get; }

public List<Sales> SalesList { get; }

public SalesRep(string salePerson, List<Sales> salesList)

{

SalesPerson = salePerson;

SalesList = salesList;

}

/\* Write a method to pay the sales commission for the Sales made by this salesperson

\*

\* Assumptions:

\* Only the unpaid sales(CommissionPaid=0) records will be used for payment

\*

\*

\* Calculation for the CommissionPaid:

\* Sales commission is calculated as described below

\* 5% of the invoice amount <= $2000 +

\* 4% of the invoice amount >$2000 and <=$10000 +

\* 3% of the invoice amount >$10000

\* For examples,

\* 1. If Amount is 1000 then CommissionPaid will be $50

\* 2. If Amount is 6000 then CommissionPaid will be 260

\* 3. If Amount is 12000 then CommissionPaid will be $480

\*

\* Pay

\* \_salesList.CommissionPaid should be updated with the correct amount as described above

\* Method should return the total commission just paid.

\*/

// Implement here

}