**Assignment**

**Date:5/8/2022**

**1- create a class customer having fields custno,custname,custaddress,custtelno**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace customer\_data\_assignment

{

class customer

{

public int custno;

public string custname;

public string custaddress;

public long custtelno;

}

internal class Program

{

static void Main()

{

customer cust=new customer();

cust.custno = 123;

cust.custname = "Mangesh";

cust.custaddress = "nagpur maharashtra";

cust.custtelno = 9876543210;

Console.WriteLine("custno" + cust.custno);

Console.WriteLine("custname" + cust.custname);

Console.WriteLine("custaddress" + cust.custaddress);

Console.WriteLine("custtelno" + cust.custtelno);

Console.ReadLine();

}

}

}

**2- create a class customer having fields custno,custname,custaddress,custtelno and methods getcustomerdata and displaycustomerdata**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace cust\_getdata\_showdata\_assignment

{

class customer

{

int custno;

string custname;

string custaddress;

int custtelno;

public void getcustomerdata()

{

Console.WriteLine("enter customer number");

custno = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("enter customer name");

custname = Console.ReadLine();

Console.WriteLine("enter customer address");

custaddress =Console.ReadLine();

Console.WriteLine("enter customer telephone number");

custtelno = Convert.ToInt32(Console.ReadLine());

}

public void displaycustomerdata()

{

Console.WriteLine("custno=" + custno);

Console.WriteLine("custname=" + custname);

Console.WriteLine("custaddress=" + custaddress);

Console.WriteLine("custtelno=" + custtelno);

}

}

internal class Program

{

static void Main()

{

customer cust = new customer();

cust.getcustomerdata();

cust.displaycustomerdata();

Console.ReadLine();

}

}

}

**3- create a class product having fields prodid,prodname,prodrate , quantity and methods getproductdata and displayorder**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace product\_getdata\_displayorder

{

class product

{

int prodid;

string prodname;

float prodrate;

int quantity;

public void productdata()

{

Console.WriteLine("enter product id");

prodid=Convert.ToInt32(Console.ReadLine());

Console.WriteLine("enter product name");

prodname=Console.ReadLine();

Console.WriteLine("enter product rate");

prodrate=Convert.ToSingle(Console.ReadLine());

Console.WriteLine("enter quantity");

quantity=Convert.ToInt32(Console.ReadLine());

}

public void displayorder()

{

Console.WriteLine("prodid" + prodid);

Console.WriteLine("prodname" + prodname);

Console.WriteLine("prodrate" + prodrate);

Console.WriteLine("quantity" + quantity);

}

}

internal class Program

{

static void Main(string[] args)

{

product prod=new product();

prod.productdata();

prod.displayorder();

Console.ReadLine();

}

}

}

**4- create a class car having fields make,model and method getcardata and displaycardata**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace car\_getdata\_displaydata

{

class cardata

{

int carno;

string carmodel;

float carprice;

float caracc;

public void getcardata()

{

Console.WriteLine("enter car number");

carno = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("enter car name");

carmodel = Console.ReadLine();

Console.WriteLine("enter car price");

carprice = Convert.ToSingle(Console.ReadLine());

Console.WriteLine("enter caracc");

caracc = Convert.ToSingle(Console.ReadLine());

}

public void displaycardata()

{

Console.WriteLine("carno" + carno);

Console.WriteLine("carmodel" + carmodel);

Console.WriteLine("carprice" + carprice);

Console.WriteLine(" caracc" + caracc);

}

}

internal class Program

{

static void Main(string[] args)

{

cardata car = new cardata();

car.getcardata();

car.displaycardata();

Console.ReadLine();

}

}

}

**5- create a class calculate having fields num1,num2 and 4 methods addition,substraction,**

**multiplication and division**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace add\_sub\_mul\_div\_num1\_num2\_assignement

{

class collection

{

public int num1;

public int num2;

public int resadd = 0;

public int ressub = 0;

public int resmul = 0;

public int resdiv = 0;

public void additiondata()

{

resadd = num1 + num2;

Console.WriteLine("addition =" + resadd);

}

public void substractiondata()

{

ressub = num1 - num2;

Console.WriteLine("substraction =" + ressub);

}

public void multipictationdata()

{

resmul = num1 \* num2;

Console.WriteLine("multipication =" + resmul);

}

public void divisondata()

{

resdiv = num1 / num2;

Console.WriteLine("divison =" + resdiv);

}

}

internal class Program

{

static void Main()

{

collection cal = new collection();

Console.WriteLine("Enter num 1");

cal.num1 = Convert.ToInt16(Console.ReadLine());

Console.WriteLine("Enter num 2");

cal.num2 = Convert.ToInt16(Console.ReadLine());

cal.additiondata();

cal.substractiondata();

cal.multipictationdata();

cal.divisondata();

Console.ReadLine();

}

}

}

**6- create a class cirlce having fields radius and method calculatearea and calculatecirc**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace circle\_radius\_circ\_assignment

{

class radius

{

public int a;

public float area = 0;

public float circ = 0;

public void areadata()

{

area = 3.14f \* a \* a;

Console.WriteLine("areaof circle =" + area);

}

public void circdata()

{

circ = 2 \* 3.14f \* a;

Console.WriteLine("circ of circle=" + circ);

}

internal class program

{

static void Main(string[] args)

{

radius rad = new radius();

Console.WriteLine("enter radius");

rad.a = Convert.ToInt32(Console.ReadLine());

rad.areadata();

rad.circdata();

Console.ReadLine();

}

}

}

}

**8- create a class employee having fields empno,empname ,designation , basicsalary**

**and method calcuatesalary to display**

**hra ie 32% of basicsalary, da ie 43%of basicsalary, ta ie 45% of basicsalary and totalsalary(ie hra+da+ta+basicsalary)**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace hra\_da\_calculation\_assignment

{

class collection

{

public int empno;

public float basicsal, total, HRA, DA, TA;

public string empname;

}

internal class Program

{

static void Main()

{

collection cal = new collection();

Console.WriteLine("Enter the employe number");

cal.empno = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter the basic salary");

cal.basicsal = Convert.ToSingle(Console.ReadLine());

Console.WriteLine("Enter the employe name");

cal.empname = Console.ReadLine();

cal.HRA = cal.basicsal \* 0.32f;

cal.DA = cal.basicsal \* 0.45f;

cal.TA = cal.basicsal \* 0.43f;

cal.total = cal.basicsal + cal.HRA + cal.DA + cal.TA;

Console.WriteLine("name" + cal.empname);

Console.WriteLine("id no " + cal.empno);

Console.WriteLine("salary" + cal.basicsal);

Console.WriteLine("HRA" + cal.HRA);

Console.WriteLine("DA" + cal.DA);

Console.WriteLine("TA" + cal.TA);

Console.WriteLine("Total salary of employe" + cal.total);

Console.ReadLine();

}

}

}