using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmployeeDemo

{

class Employee

{

int id;

string name;

static string dept;

static string manager;

int exp;

public const string companyName="Wipro";

decimal basicSalary;

decimal dA, hRA, pF, netSalary;

public void GetDetails()

{

Console.WriteLine("Enter Id");

id = Convert.ToInt16(Console.ReadLine());

Console.WriteLine("ENter Name");

name = Console.ReadLine();

//Console.WriteLine("ENter Dept");

//dept = Console.ReadLine();

//Console.WriteLine("ENter Manager");

//manager = Console.ReadLine();

Console.WriteLine("Enter Exp");

exp = Convert.ToByte(Console.ReadLine());

Console.WriteLine("Enter BAsic Salary");

basicSalary = Convert.ToDecimal(Console.ReadLine());

}

public void CalculateNetSalary()

{

if (exp > 10)

{

dA = (decimal).1 \* basicSalary;

pF = (decimal).085 \* basicSalary;

hRA = 6200;

}

else if (exp > 5 && exp <= 10)

{

dA = (decimal).2 \* basicSalary;

pF = (decimal).045 \* basicSalary;

hRA = 5200;

}

else

{

dA = (decimal).2 \* basicSalary;

pF = (decimal).045 \* basicSalary;

hRA = 5200;

}

netSalary = (basicSalary + dA + hRA) - pF;

}

public void DisplayDetails()

{

Console.WriteLine("ID is " + id);

Console.WriteLine($"Name is {name}");

//Console.WriteLine($"Dept is {dept}" );

Console.WriteLine("Basic Salary {0}", basicSalary);

Console.WriteLine($"Net Salary is {netSalary}");

}

public static void DeptDetails()

{

dept = "IT";

Console.WriteLine($"Depattment Name is {dept}");

}

public static void ManagertDetails()

{

manager = "Deepak";

Console.WriteLine($"Manager Name is {manager}");

}

}

}

Calling Part

using System;

namespace EmployeeDemo

{

class Program

{

static void Main(string[] args)

{

Employee employee = new Employee();

employee.GetDetails();

employee.CalculateNetSalary();

Console.WriteLine("Company Name is " + Employee.companyName);

Employee.DeptDetails();

Employee.ManagertDetails();

employee.DisplayDetails();

}

}

}

Store records for 3 objects

using System;

namespace EmployeeDemo

{

class Program

{

static void Main(string[] args)

{

//Employee employee = new Employee();

//employee.GetDetails();

//employee.CalculateNetSalary();

//Console.WriteLine("Company Name is " + Employee.companyName);

//Employee.DeptDetails();

//Employee.ManagertDetails();

//employee.DisplayDetails();

Console.WriteLine("Company Name is"+ Employee.companyName);

Employee.DeptDetails();

Employee.ManagertDetails();

Employee emp1 = new Employee();

emp1.GetDetails();

emp1.CalculateNetSalary();

emp1.DisplayDetails();

Employee emp2 = new Employee();

emp2.GetDetails();

emp2.CalculateNetSalary();

emp2.DisplayDetails();

Employee emp3= new Employee();

emp3.GetDetails();

emp3.CalculateNetSalary();

emp3.DisplayDetails();

}

}

}

Arrays

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmployeeDemo

{

class ArrayDemo

{

static void Main()

{

int[] num = new int[10];

Console.WriteLine("ENter Numbers");

for (int i = 0; i < 10; i++)

num[i] = Convert.ToByte(Console.ReadLine());

Console.WriteLine("Elements are");

for (int i = 0; i < 10; i++)

Console.WriteLine(num[i]);

Console.WriteLine("Elemenst using forecach loop");

foreach (int temp in num)

Console.WriteLine(temp);

// Sum & Average of the elements

int sum = 0;

foreach (int temp in num)

sum = sum + temp;

float avg = (float) sum / 10;

Console.WriteLine($"Sum is {sum} Average is {avg}");

}

}

}