using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmployeeDemo

{

class MultipleEmployee

{

static void Main()

{

// Array of objects

Employee[] employees = new Employee[10];

for (int i = 0; i < 3; i++)

{

Console.WriteLine($"Enter Details of Employee No {i+1}");

employees[i] = new Employee();

employees[i].GetDetails();

employees[i].CalculateNetSalary();

}

for (int i = 0; i < 3; i++)

{

Console.WriteLine($"Details of Employee No {i + 1}");

employees[i].DisplayDetails();

}

}

}

}

String Array

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmployeeDemo

{

class StringArray

{

static void Main()

{

string[] names = new string[10];

Console.WriteLine("Enter Names");

for (int i = 0; i < 3; i++)

names[i] = Console.ReadLine();

Console.WriteLine("Names are ");

foreach (string name in names)

Console.WriteLine(name) ;

}

}

}

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());

// Initializing Array

int[] num = new int[] { 1, 2, 3 };

Console.WriteLine("Elements are");

for (int i = 0; i < num.Length; 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}");

}

}

}

2 D Array

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmployeeDemo

{

class Array2Demo

{

static void Main()

{

// 2 D Array

int[,] mat1 = new int[3, 3];

Console.WriteLine("Enter Elements");

for (int i = 0; i < 3; i++)

{

for (int j = 0; j < 3; j++)

{

mat1[i, j] = Convert.ToByte(Console.ReadLine());

}

}

Console.WriteLine("Elements are");

for (int i = 0; i < 3; i++)

{

for (int j = 0; j < 3; j++)

{

Console.Write(mat1[i, j] + " ");

}

Console.WriteLine();

}

}

}

}

--------------------------------------------------------------------------------------------

// Initialize 2-D Array

int[,] mat1 = new int[,]

{

{ 1,2,3 },

{ 3,4,2 },

{ 11,12,10 }

};