# Program 1

using System;

using System;

namespace Array

{

class array

{

static void Main(string[] args)

{

// Creating an array

int[] arr = new int[6] { 5, 8, 9, 25, 0, 7 };

// Creating an empty array

int[] arr2 = new int[6];

// Displaying length of array

Console.WriteLine("length of first array: " + arr.Length);

// Sorting array

Array.Sort(arr);

Console.Write("First array elements: ");

// Displaying sorted array

PrintArray(arr);

// Finding index of an array element

Console.WriteLine("\nIndex position of 25 is " + Array.IndexOf(arr, 25));

// Coping first array to empty array

Array.Copy(arr, arr2, arr.Length);

Console.Write("Second array elements: ");

// Displaying second array

PrintArray(arr2);

Array.Reverse(arr);

Console.Write("\nFirst Array elements in reverse order: ");

PrintArray(arr);

}

// User defined method for iterating array elements

static void PrintArray(int[] arr)

{

foreach (Object elem in arr)

{

Console.Write(elem + " ");

}

}

}

}

# Second Question

using System;

using System.Collections.Generic;

using System.Collections;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Arraylist

{

class Employee

{

public int EmpId { get; set; }

public string EmpName { get; set; }

public int EmpSal { get; set; }

public string EmpLoc { get; set; }

}

internal class ArrayListSample

{

static void Main(string[] args)

{

//object initilizer or collection initilizer

//ArrayList e = new ArrayList();//non generic

ArrayList e = new ArrayList()

{

new Employee{EmpId=1,EmpName="saekumaar",EmpSal=20000,EmpLoc="Hyd"},

new Employee{EmpId=2,EmpName="Rama",EmpSal=25000,EmpLoc="Hyd"},

new Employee{EmpId=3,EmpName="Krishna",EmpSal=32000,EmpLoc="Hyd"},

new Employee{EmpId=3,EmpName="Shiva",EmpSal=40000,EmpLoc="Hyd"},

new Employee{ EmpId=4, EmpName="Vignesh"},

};

foreach (Employee i in e)

{

Console.WriteLine(i.EmpId + " " + i.EmpName + " " + i.EmpSal + " " + i.EmpLoc);

}

Console.ReadKey();

}

}

}

# Program-3

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace addemployee

{

internal class addemployee

{

static void Main()

{

List<string> list = new List<string>();

list.Add("ajay");

list.Add("akula");

list.Add("suri");

list.Add("amar");

for (int i = 0; i < list.Count; i++)

{

Console.WriteLine("List of employees" + ':' + list[i]);

}

Console.WriteLine("total number of employess" + ':' + list.Count);

Console.ReadLine();

}

}

}

# Program 4

internal class Stacks

{

static void Main()

{

Stack stack1 = new Stack();

stack1.Push(1);

stack1.Push("Employee");

stack1.Push(67.2);

stack1.Push("Mani Raju");

foreach (Object obj in stack1)

{

Console.WriteLine("different types of data" + ":" + obj);

}

stack1.Pop();

foreach (Object obj in stack1)

{

Console.WriteLine("after pop operation" + ":" + obj);

}

Console.ReadLine();

}

}

# Program 5

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace empname

{

internal class Search

{

static void Main()

{

List<string> list = new List<string>();

list.Add("hari babu");

list.Add("prasanna");

list.Add("vasu");

list.Add("kiran kumar");

for (int i = 0; i < list.Count; i++)

{

Console.WriteLine("List of employees" + ':' + list[i]);

}

Console.WriteLine("total number of employess" + ':' + list.Count);

Console.WriteLine("enter person name:");

string X = Console.ReadLine();

if (list.Contains(X))

{

Console.WriteLine("yes " + X + " is an employee");

}

else

{

Console.WriteLine("no");

}

Console.ReadLine();

}

}

}