using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmpDelegate

{

public delegate void EmployeeDelegate();

public class MultiCastDelegate

{

static void Main(string[] args)

{

Employee employee = new Employee();

EmployeeDelegate employeeDelegate = new EmployeeDelegate(employee.Display);

employeeDelegate += employee.MarketingExecutiveDisplay;

employeeDelegate.Invoke();

}

}

public class Employee

{

private int empId,meId;

private string empName,meName;

private string companyName,meCompanyName;

private string designation,meDesignation;

private string workLocation,meWorkLocation;

public Employee()

{

Console.Write("Enter the emp id : ");

this.empId =( Convert.ToInt32(Console.ReadLine()));

Console.Write("Enter the emp name : ");

this.empName = Console.ReadLine();

Console.Write("Enter the Company Name : ");

this.companyName = Console.ReadLine();

Console.Write("Enter the emp designation : ");

this.designation = Console.ReadLine();

Console.Write("Enter the emp WorkLocation : ");

this.workLocation = Console.ReadLine();

Console.WriteLine(":::::::::::::::");

Console.Write("Enter the MarketingExecutive id : ");

this.meId = (Convert.ToInt32(Console.ReadLine()));

Console.Write("Enter the MarketingExecutive name : ");

this.meName = Console.ReadLine();

Console.Write("Enter the MarketingExecutive Company Name : ");

this.meCompanyName = Console.ReadLine();

Console.Write("Enter the MarketingExecutive designation : ");

this.meDesignation = Console.ReadLine();

Console.Write("Enter the MarketingExecutive WorkLocation : ");

this.meWorkLocation = Console.ReadLine();

}

public void Display()

{

Console.WriteLine("Employee Details::::::::");

Console.WriteLine("Employee Id : {0}",empId);

Console.WriteLine("Employee Name : {0}",empName);

Console.WriteLine("Employee Company Name : {0}",companyName );

Console.WriteLine("Employee Designation : {0}",designation);

Console.WriteLine("Employee Work Location : {0}",workLocation);

Console.WriteLine(":::::::::::::::::::::::");

}

public void MarketingExecutiveDisplay()

{

Console.WriteLine("MarketingExecutiveDetails:::::::::");

Console.WriteLine("MarketingExecutive Employee Id : {0}",meId );

Console.WriteLine("MarketingExecutive Employee Name : {0}", meName);

Console.WriteLine("MarketingExecutive Employee Company Name : {0}", meCompanyName);

Console.WriteLine("MarketingExecutive Employee Designation : {0}", meDesignation);

Console.WriteLine("MarketingExecutive Employee Work Location : {0}", meWorkLocation);

}

}

}

## Program -2

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmpDelegate

{

public delegate void EmployeeDelegate();

public class UniCastDelegate

{

static void Main(string[] args)

{

Employee employee = new Employee();

EmployeeDelegate employeeDelegate = new EmployeeDelegate(employee.Display);

employeeDelegate.Invoke();

}

}

public class Employee

{

private int empId;

private string empName;

private string companyName;

private string designation;

private string workLocation;

public Employee()

{

Console.Write("Enter the emp id : ");

this.empId =( Convert.ToInt32(Console.ReadLine()));

Console.Write("Enter the emp name : ");

this.empName = Console.ReadLine();

Console.Write("Enter the Company Name : ");

this.companyName = Console.ReadLine();

Console.Write("Enter the emp designation : ");

this.designation = Console.ReadLine();

Console.Write("Enter the emp WorkLocation : ");

this.workLocation = Console.ReadLine();

}

public void Display()

{

Console.WriteLine("Employee Id : {0}",empId);

Console.WriteLine("Employee Name : {0}",empName);

Console.WriteLine("Employee Company Name : {0}",companyName );

Console.WriteLine("Employee Designation : {0}",designation);

Console.WriteLine("Employee Work Location : {0}",workLocation);

}

}

}