using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Assignment\_one

{

class Program

{

public delegate void StudentDetails<L>(L inpi);

private static string Name;

private static int idd;

private string studentAddress;

public string getAddress()

{

return studentAddress;

}

public void setAddress(string SAddress)

{

studentAddress = SAddress;

}

public static void getSatudentName(string name)

{

Name = name;

Console.WriteLine("Name: " + name);

}

public static void getStudentId(int id)

{

idd = id;

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

}

public void storeDick()

{

Dictionary<int, string> dc = new Dictionary<int, string>();

dc.Add(1, idd.ToString());

dc.Add(2, Name);

dc.Add(3, studentAddress);

Console.WriteLine("\n");

foreach (KeyValuePair<int, string> i in dc)

{

Console.WriteLine(" "+i.Value);

}

}

static void Main(string[] args)

{

StudentDetails<string> home = new StudentDetails<string>(getSatudentName);

home.Invoke("Laura");

StudentDetails<int> id = new StudentDetails<int>(getStudentId);

id.Invoke(456);

// invoking Student Details from Dictionary

Program obj = new Program();

obj.setAddress("Kampala");

obj.storeDick();

}

}

}