using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Xml.Linq;

namespace Array

{

internal class ArrayDem

{

public int TraineeId;

public string TraineeName;

public string WorkLocation;

public int TraineeAge;

ArrayDem[] TraineeArray; //trainee array declaration

public void GetTraineeDetails(string name)

{

Console.WriteLine("Enter trainees count:");

int traineeCount = Convert.ToInt32(Console.ReadLine());

TraineeArray = new ArrayDem[traineeCount]; //array with 5 trainees

Console.WriteLine();

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

{

TraineeArray[i] = new ArrayDem();

Console.WriteLine("ID:");

TraineeArray[i].TraineeId = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("name:");

TraineeArray[i].TraineeName = Console.ReadLine();

Console.WriteLine("Loc:");

TraineeArray[i].WorkLocation = Console.ReadLine();

Console.WriteLine("Age:");

TraineeArray[i].TraineeAge = Convert.ToInt32(Console.ReadLine());

}

}

public void PrintTraineeDetails()

{

if (TraineeArray == null)

{

Console.WriteLine("No trainee details available.");

return;

}

Console.WriteLine("Trainee Details:");

for (int i = 0; i < TraineeArray.Length; i++)

{

Console.WriteLine("trainee" + "\t" + TraineeArray[i].TraineeId + "\t" + TraineeArray[i].TraineeName + "\t" + TraineeArray[i].WorkLocation + "\t" + TraineeArray[i].TraineeAge);

Console.WriteLine();

}

}

public void SearchTraineeDetails()

{

Console.WriteLine("Enter name:");

string name = Console.ReadLine();

bool found = false;

for (int i = 0; i < TraineeArray.Length; i++)

{

if (TraineeArray[i].TraineeName == name)

{

Console.WriteLine("trainee" + "\t" + TraineeArray[i].TraineeId + "\t" + TraineeArray[i].TraineeName + "\t" + TraineeArray[i].WorkLocation + "\t" + TraineeArray[i].TraineeAge);

found = true;

}

}

}

public void UpdateTraineeDetails()

{

Console.WriteLine("Enter ID");

int id = Convert.ToInt32(Console.ReadLine());

for (int i = 0; i < TraineeArray.Length; i++)

{

if (TraineeArray[i].TraineeId == id)

{

Console.WriteLine("Enter Work location:");

string loc = Console.ReadLine();

Console.WriteLine("Enter Work Age:");

int age = Convert.ToInt32(Console.ReadLine());

TraineeArray[i].TraineeAge = age;

TraineeArray[i].WorkLocation = loc;

Console.WriteLine("Updated Trainee Details:");

Console.WriteLine("trainee" + "\t" + TraineeArray[i].TraineeId + "\t" + TraineeArray[i].TraineeName + "\t" + TraineeArray[i].WorkLocation + "\t" + TraineeArray[i].TraineeAge);

}

}

}

}

}