TAAZAA TRAINING

ASSIGNMENT – 9

SUBMITTED BY- DAS SUKHDEV

FILE HANDLING

```
using System;
using FileHandling.Files;
namespace FileHandling
{
    class Program
    {
        static void Main(string[] args)
        {
            FileHandler filehandler=new FileHandler();
            filehandler.WriteToFile("I am Sukhdev");
            filehandler.ReadFromFile();
        }
    }
}
```

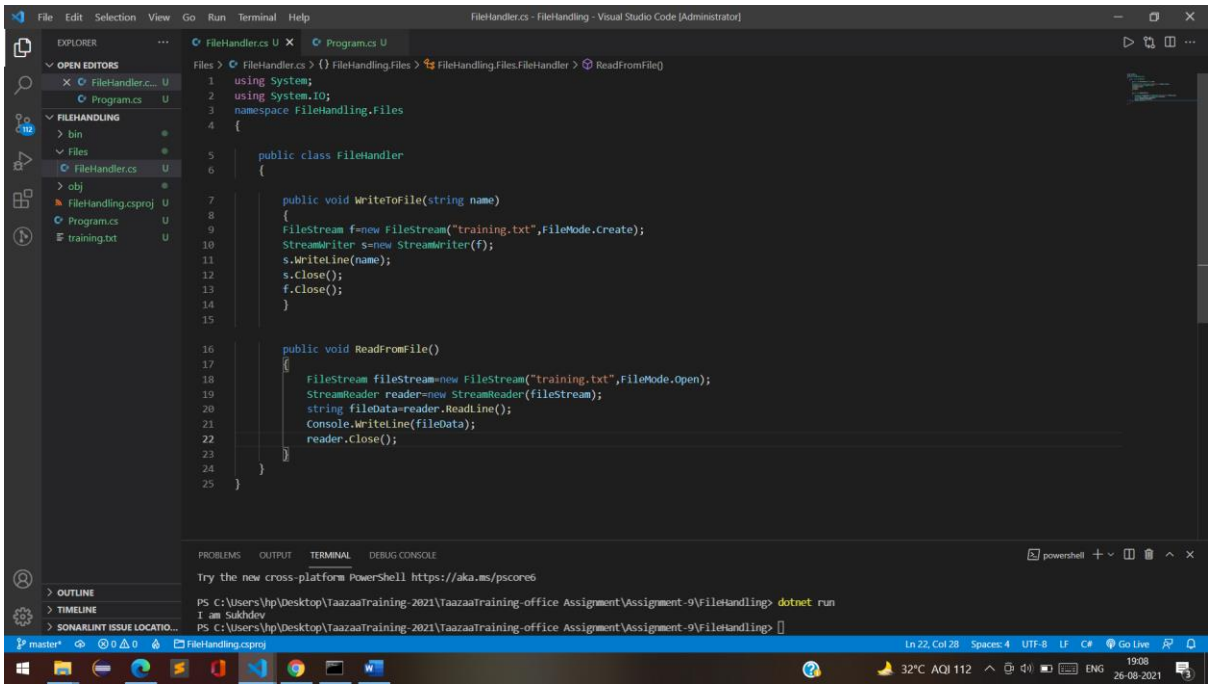
PROGRAM.CS

FILE HANDLER.CS

```
using System;
using System.IO;
namespace FileHandling.Files
{
    public class FileHandler
    {
        public void WriteToFile(string name)
        {
        FileStream f=new FileStream("training.txt",FileMode.Create);
        StreamWriter s=new StreamWriter(f);
        s.WriteLine(name);
        s.Close();
        f.Close();
        }
```

```
        public void ReadFromFile()
        {
            FileStream fileStream=new FileStream("training.txt",FileMode.Open)
;
            StreamReader reader=new StreamReader(fileStream);
            string fileData=reader.ReadLine();
            Console.WriteLine(fileData);
            reader.Close();
        }
    }
}
```

OUTPUT OF FILE HANDLING



ADVANCE DELEGATE

```
using System;
namespace day8_O.Adv_Delegate

{
    public class Study
    {
        public string Name(string N)
        {
            return N;
        }
        public void PNumber()
        {
            Console.WriteLine("9873451324");
        }
        public bool studyStatus(string str)
        {
            return true;
        }
    }
}
```

STUDY.CS

```
using System;
using day8_O.Adv_Delegate;
//delegate string NameDelegate(string str);
//delegate void PhoneDelegate();
//delegate bool studyStatusDelegate();
namespace day8_O
{
    class Program
    {
        static void Main()
        {
            Study study=new Study();
            /* NameDelegate nameDelegate=new NameDelegate(study.Name);
            string name=nameDelegate.Invoke("Sukhdev");
            System.Console.WriteLine(name);*/

            //funtion delegate
            Func<string,string> func=study.Name;
            string name=func("Sukhdev");
```

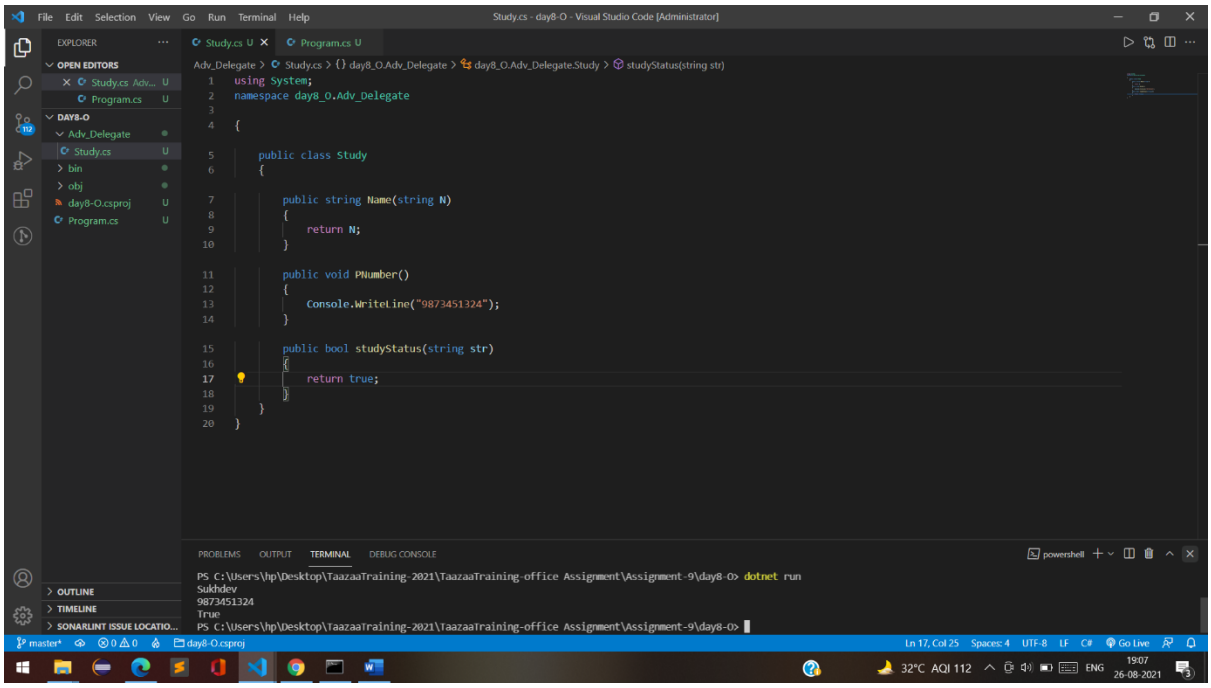
```
            Console.WriteLine(name);

            //action delegate
            Action action=study.PNumber;  //we will angular bracket when we ha
ve parameters
            //action.Invoke(); first way
            action();  //second way


            //predicate delegate
            Predicate<string> predicate=study.studyStatus;
            bool b=predicate("sukhdev");
            System.Console.WriteLine(b);
        }}}
```

PROGRAM.CS

OUTPUT OF ADVANCE DELEGATE



EXCEPTION HANDLING

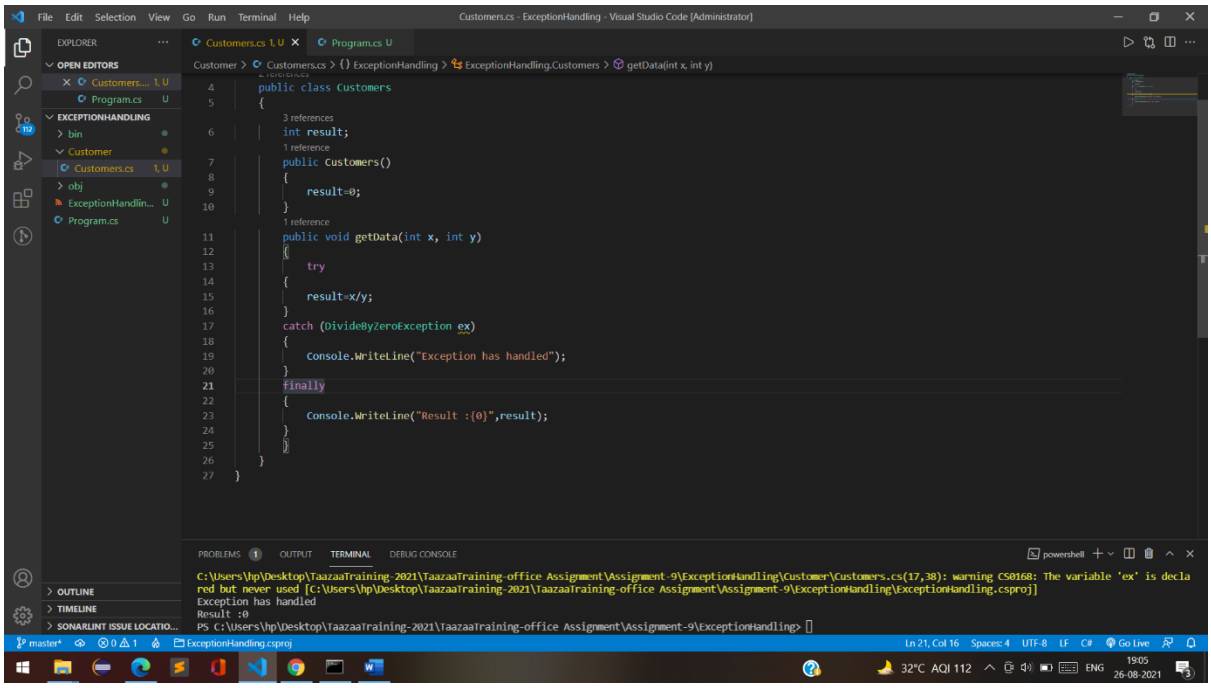
```
using System;
namespace ExceptionHandling
{
    public class Customers
    {
        int result;
        public Customers()
        {
            result=0;
        }
        public void getData(int x, int y)
        {
            try
        {
            result=x/y;
        }
        catch (DivideByZeroException ex)
        {
            Console.WriteLine("Exception has handled");
        }
        finally
        {
            Console.WriteLine("Result :{0}",result);
        }
        }
    }
}
```

CUSTOMERS.CS

```
using System;
using ExceptionHandling;
namespace ExceptionHandling
{
    class Program
    {
        static void Main()
        {
            Customers customers=new  Customers();
            customers.getData(10,0);
        }
    }
}
```

PROGRAM.CS

OUTPUT OF EXCEPTION HANDLING



PARAMS AND OPTIONAL

```
using System;

namespace Special_Topic
{
    class Program
    {
         public static int add(params int[] num)
        {
            int sum=0;
            foreach (var i in num)
            {
                sum=sum+i;
            }
            return sum;
        }
        public static void Details(string Name,int i=1)
        {
            Console.WriteLine(Name+" "+i);
        }
        static void Main()
        {
            System.Console.WriteLine(Program.add(10,20));
            Program.Details("Sukhdev");
            Program.Details("Sukhdev",10);
       }
    }
}
```

OUTPUT OF PARAMS AND OPTIONAL PARAMETERS