Assignment-2

1. Creating directories

```
Microsoft Windows [Version 10.0.19043.1110]
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C:\Users\Rahul_7k7>cd Desktop

C:\Users\Rahul_7k7\Desktop>md TaazaaAssignments

C:\Users\Rahul_7k7\Desktop>cd TaazaaAssignments

C:\Users\Rahul_7k7\Desktop\TaazaaAssignments>md Assignment2

C:\Users\Rahul_7k7\Desktop\TaazaaAssignments>cd Assignment2
```

2. Creating application (app2)

```
C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2>dotnet new console --name app2
The template "Console Application" was created successfully.

Processing post-creation actions...
Running 'dotnet restore' on app2\app2.csproj...
  Determining projects to restore...
  Restored C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2\app2\app2.csproj (in 295 ms).
Restore succeeded.
```

3. Creating library (lib2)

```
C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2>dotnet new classlib -o lib2
The template "Class library" was created successfully.

Processing post-creation actions...
Running 'dotnet restore' on lib2\lib2.csproj...
  Determining projects to restore...
  Restored C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2\lib2\lib2.csproj (in 80 ms).
Restore succeeded.
```

4. Creating Solution File (Sol2)

```
C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2>dotnet new sln --name sol2
The template "Solution File" was created successfully.
```
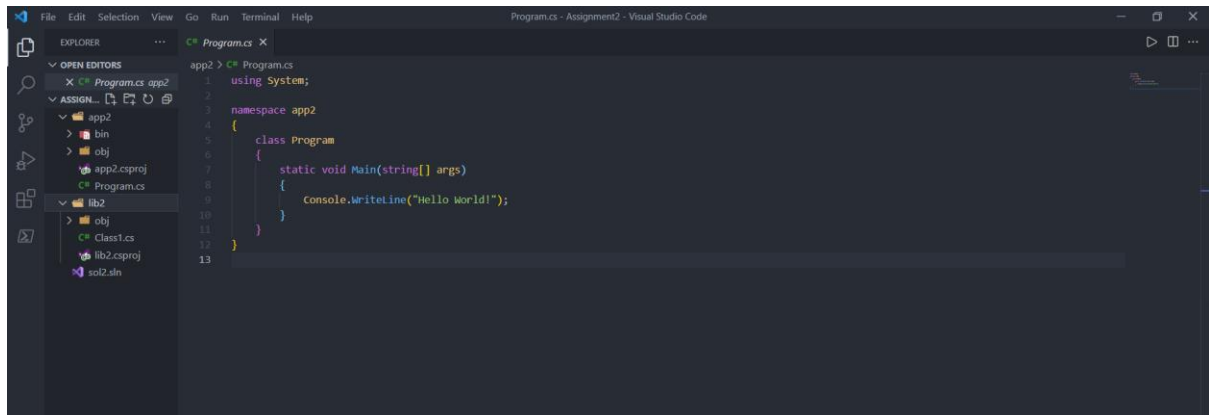
5. Showing Directories

```
C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2>dir
 Volume in drive C is Windows
 Volume Serial Number is 5E96-54A6

 Directory of C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2

14-08-2021  11:10    <DIR>          .
14-08-2021  11:10    <DIR>          ..
14-08-2021  10:51    <DIR>          app2
14-08-2021  11:09    <DIR>          lib2
14-08-2021  11:10               550 sol2.sln
               1 File(s)            550 bytes
               4 Dir(s)  250,326,974,464 bytes free
```

6. Opening VS Code

```
C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2>code .
```


7. Compiled

8. Run

```
C:\Users\Rahul_7k7\Desktop\TaazaaAssignments\Assignment2\app2>dotnet run
Hello World!
```

LOOPS

1. do while loop

```
using System;
class doWhile
{
    public static void Main()
    {
        int x = 0;
        do
        {
            Console.WriteLine("Hello World");
            x++;
        }
        while (x < 4);
    }
}
```

2. while loop

```
using System;
class whileLoop
{
    public static void Main()
    {
        int x = 1;
        while (x <= 4)
        {
            Console.WriteLine("Hello World!");
            x++;
        }
    }
}
```

3. for loop

```
using System;
class forLoop
{
    public static void Main()
    {
        for (int x = 1; x <= 4; x++)
            Console.WriteLine("Hello World!");
    }
}
```

4. for each loop

```
using System;
namespace Loop
{
    class ForEachLoop
    {
        public static void Main(string[] args)
        {
            char[] myArray = {'H','e','l','l','o',' ', 'w', 'o', 'r', 'l', 'd'};

            foreach(char ch in myArray)
            {
                Console.WriteLine(ch);
            }
        }
    }
}
```