Taazaa Training

Assignment 2

“Day 1 Revision”

(Library creation and its references)

Submitted by: -

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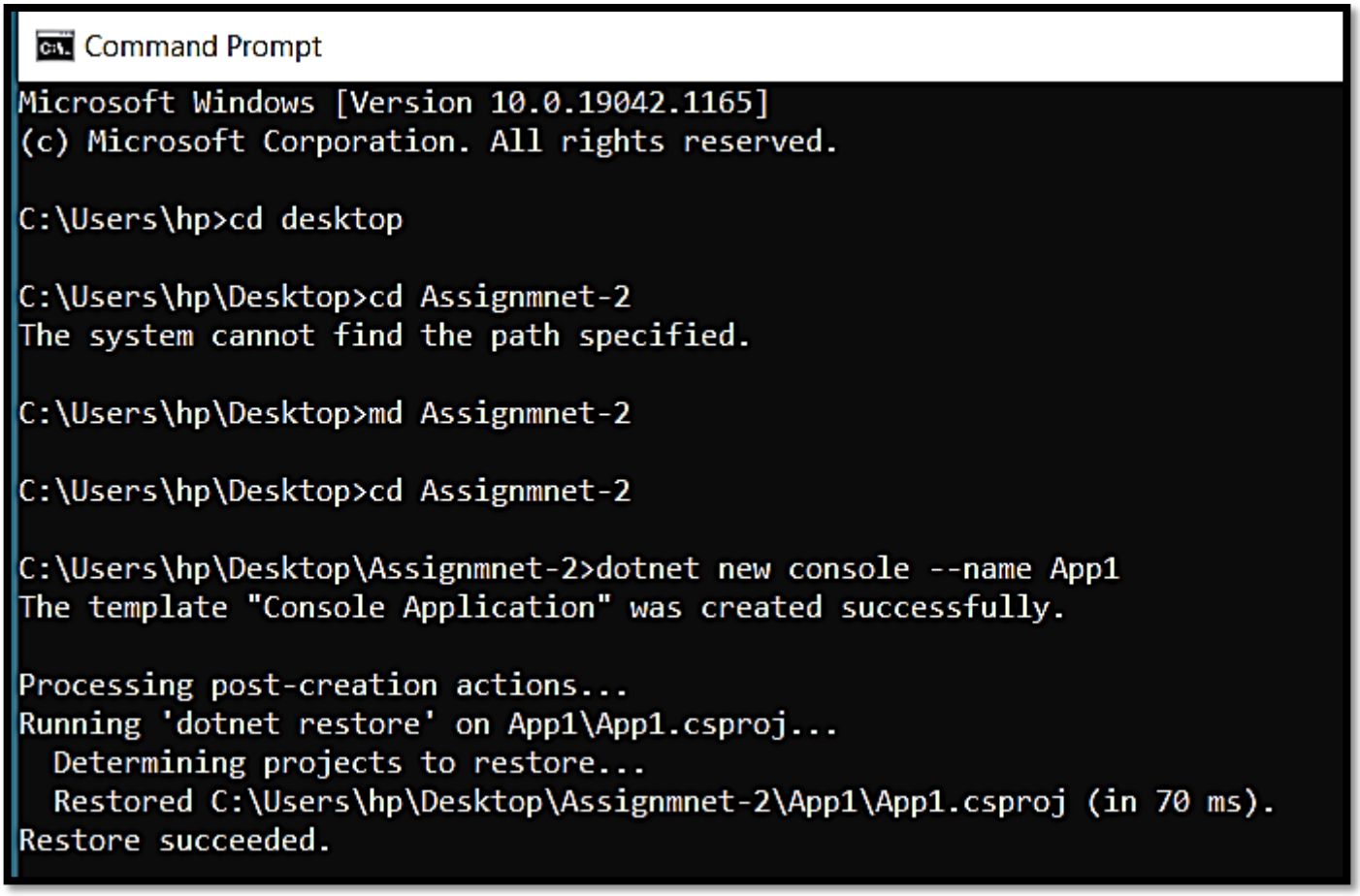
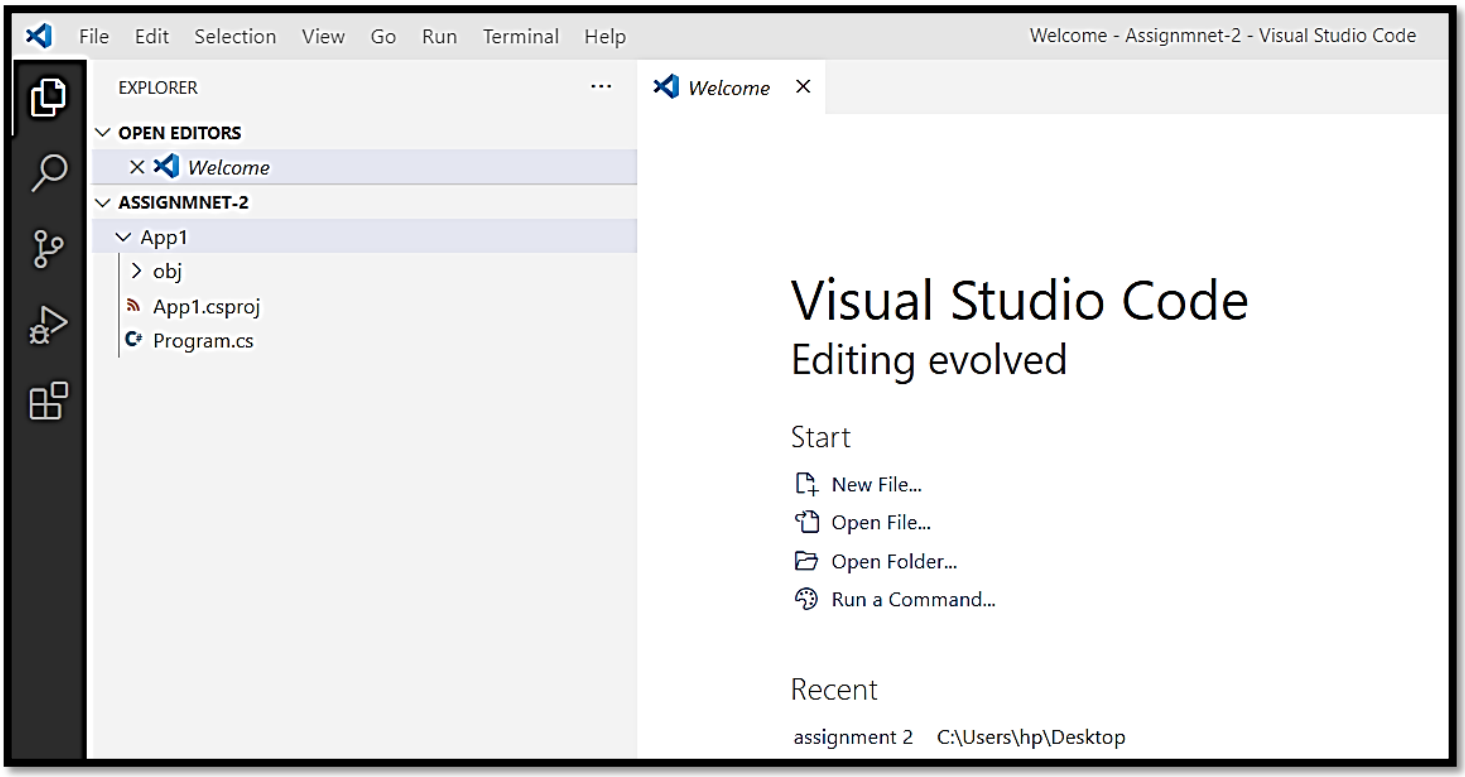
Step1) make new directory let say Assignmnet-2

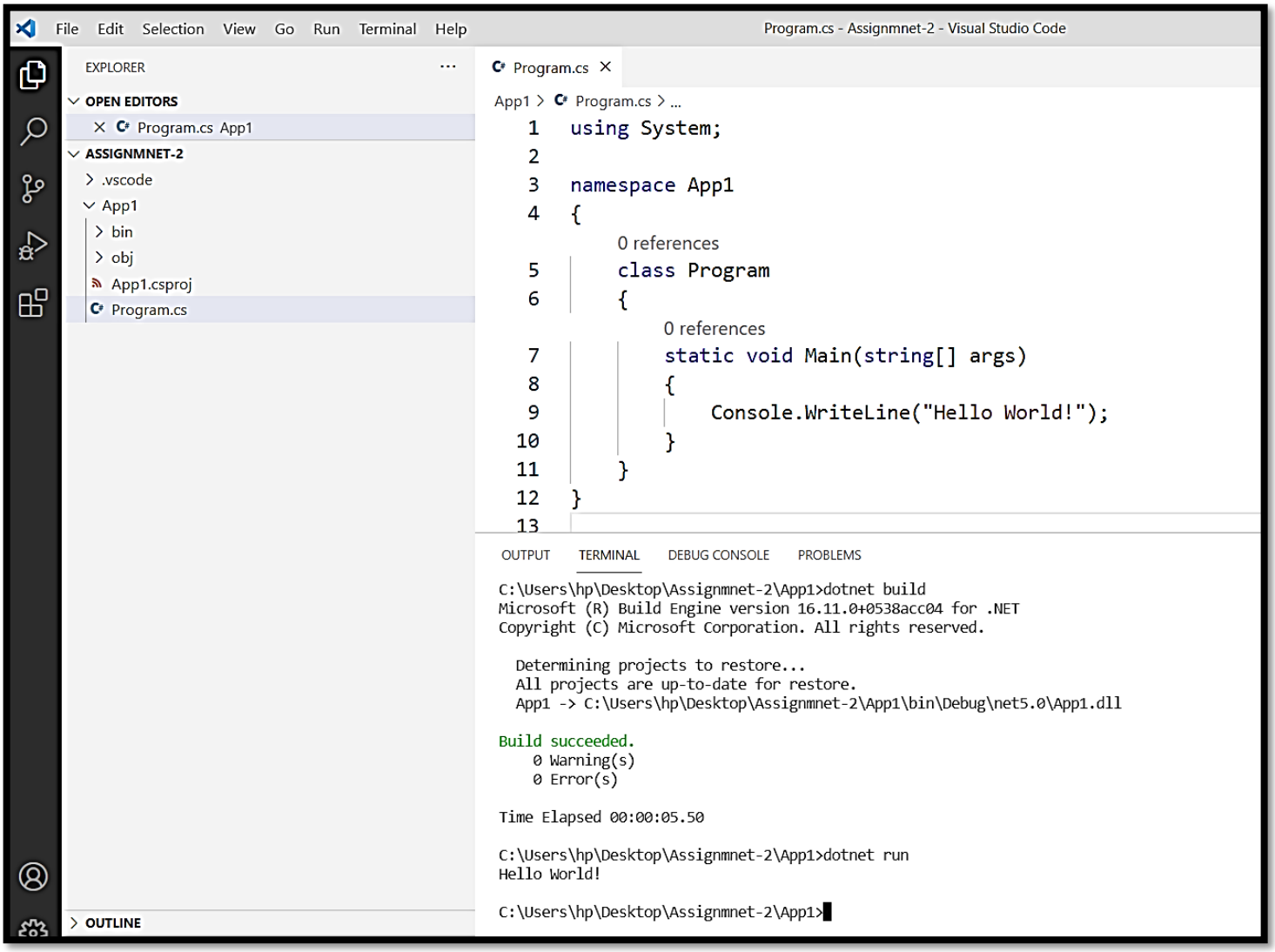
Step2) create a new application App1 using “dotnet new console --name App1”



Step 3) to check App1 creation use command “code .” to open it in vscode

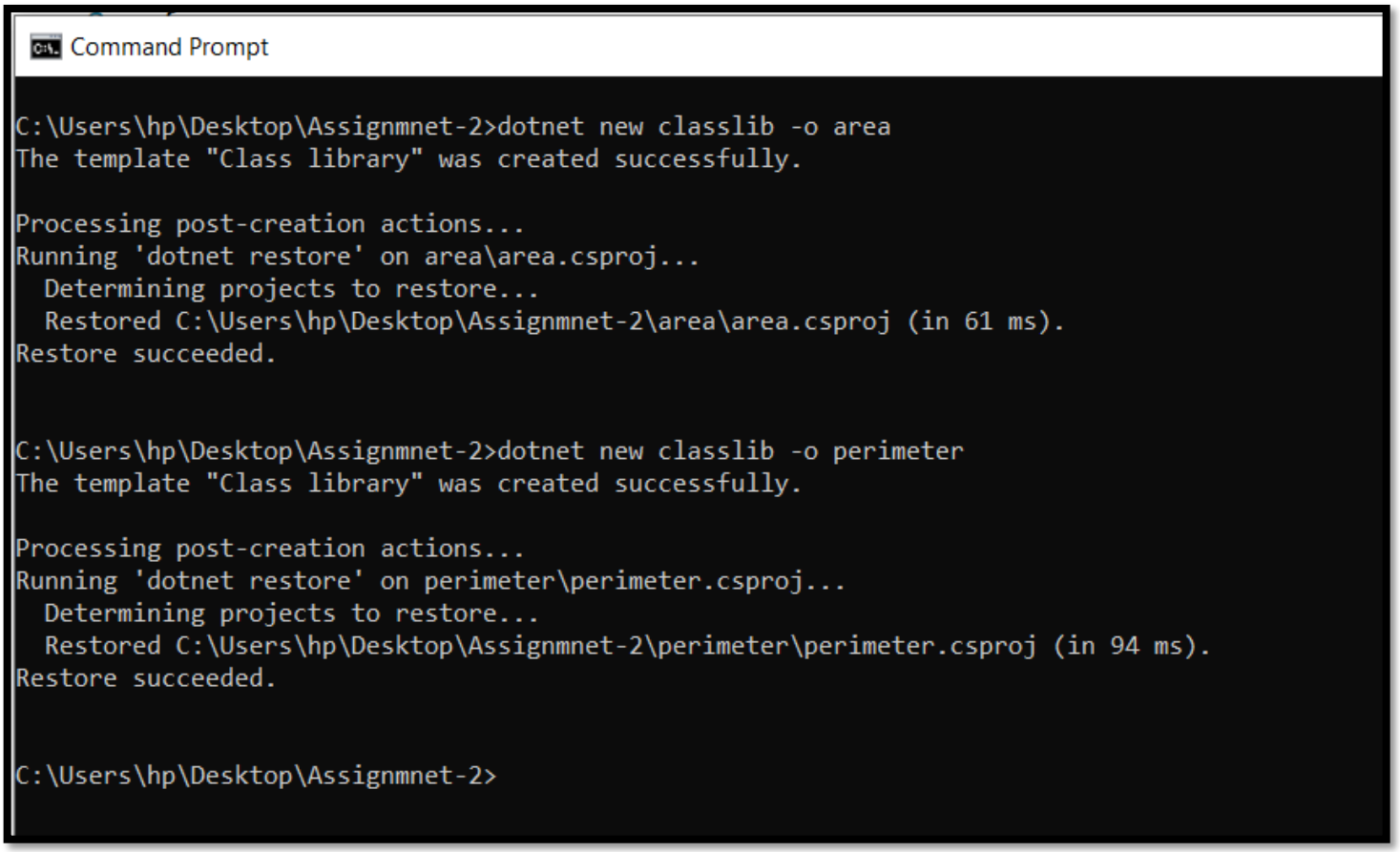


Step 4) Application App1 compiled and run successfully

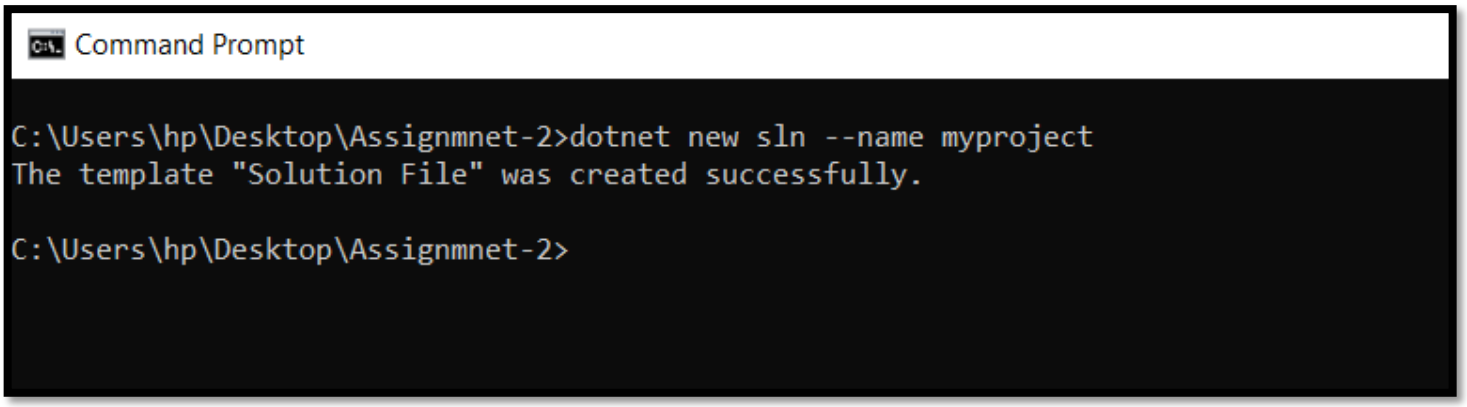

File Edit Selection View Go Run Terminal Help
Program.cs - Assignmnet-2 - Visual Studio Code
EXPLORER
OPEN EDITORS
Program.cs App1
ASSIGNMNET-2
.vscode
App1
bin
obj
App1.csproj
Program.cs
OUTLINE
Program.cs
App1 > Program.cs > ...
1 using System;
2
3 namespace App1
4 {
0 references
5 class Program
6 {
0 references
7 static void Main(string[] args)
8 {
9 Console.WriteLine("Hello World!");
10 }
11 }
12 }
13
OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS
C:\Users\hp\Desktop\Assignmnet-2\App1>dotnet build
Microsoft (R) Build Engine version 16.11.0+0538acc04 for .NET
Copyright (C) Microsoft Corporation. All rights reserved.
Determining projects to restore...
All projects are up-to-date for restore.
App1 -> C:\Users\hp\Desktop\Assignmnet-2\App1\bin\Debug\net5.0\App1.dll
Build succeeded.
0 Warning(s)
0 Error(s)
Time Elapsed 00:00:05.50
C:\Users\hp\Desktop\Assignmnet-2\App1>dotnet run
Hello World!
C:\Users\hp\Desktop\Assignmnet-2\App1>

Now Creating library in Assignmnet-2

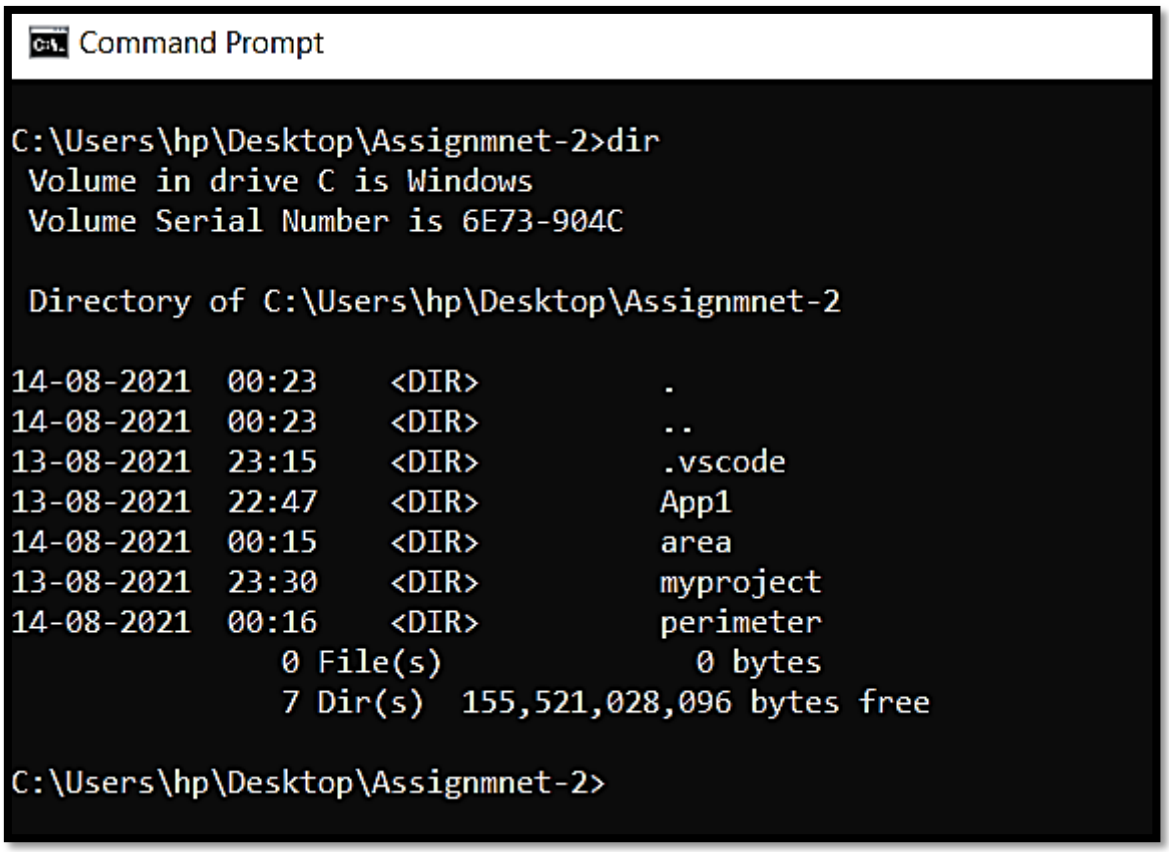
Step 5) Creating two libraries named area and perimeter inside Assignmnet-2 using "dotnet new classlib –o <libname> "



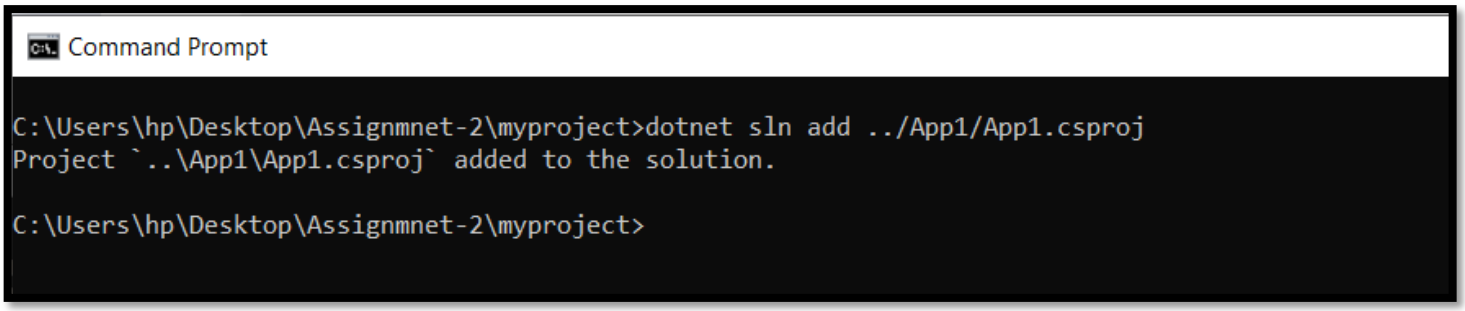
Step 6) Now Creating new solution file name myproject



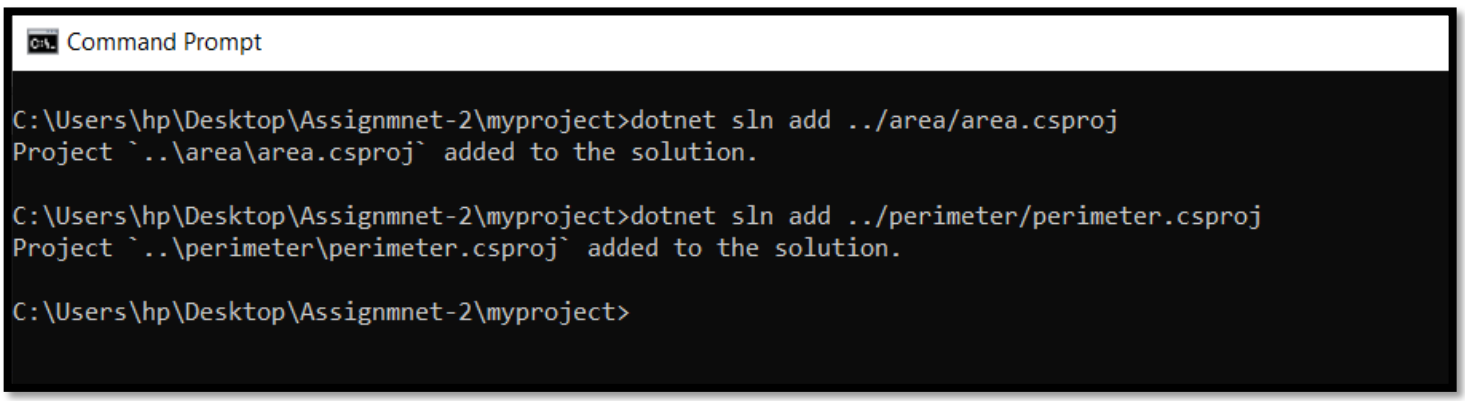
Here ,Inside Assignment-2 there is an application named app1 library named area and perimeter and solution file name myproject.



Step 7) now, we are adding App1.csproj to solution file

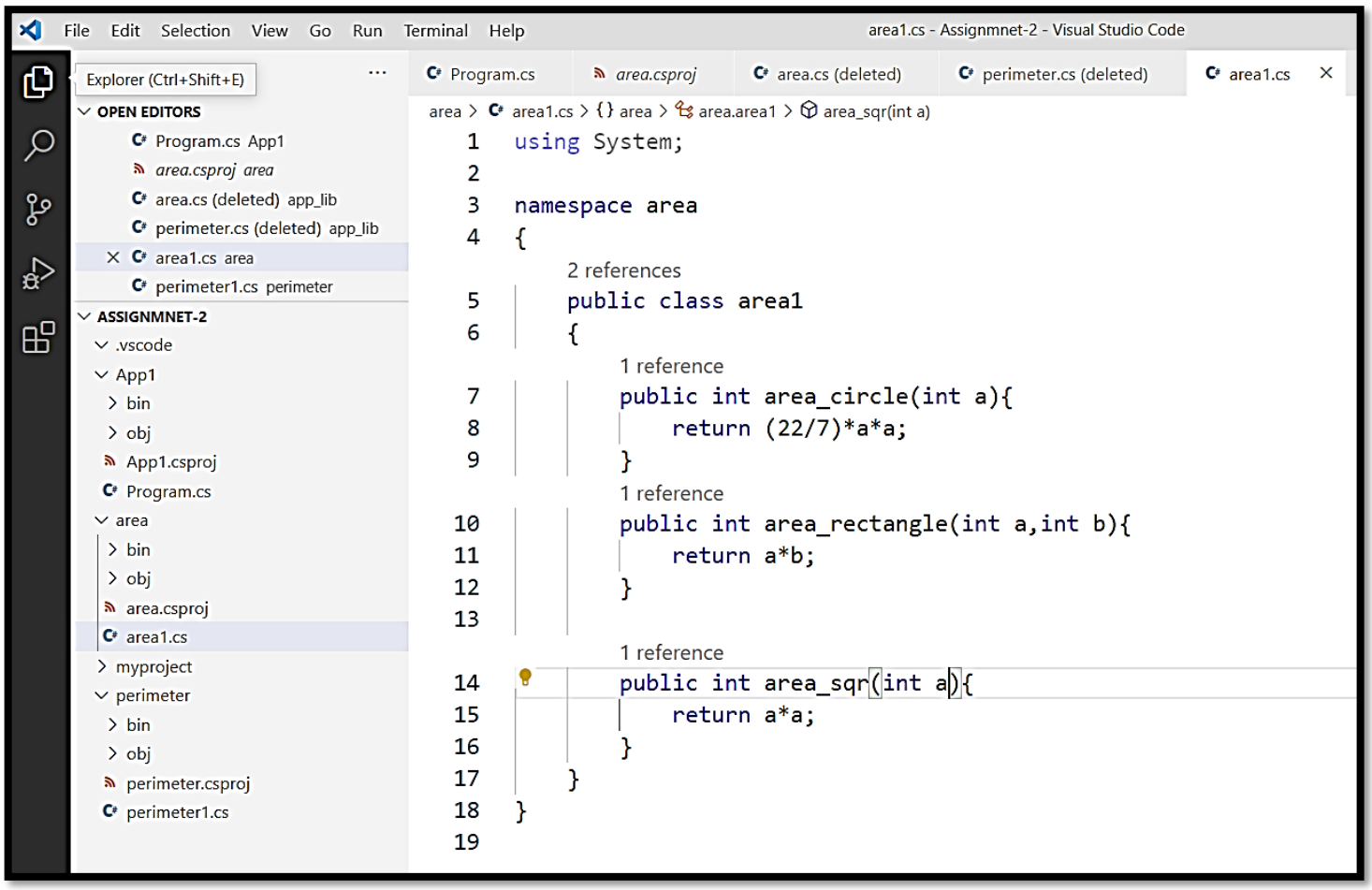


Step 8) Similarly we are going to add area.csproj and perimeter.proj in our solution file name myproject

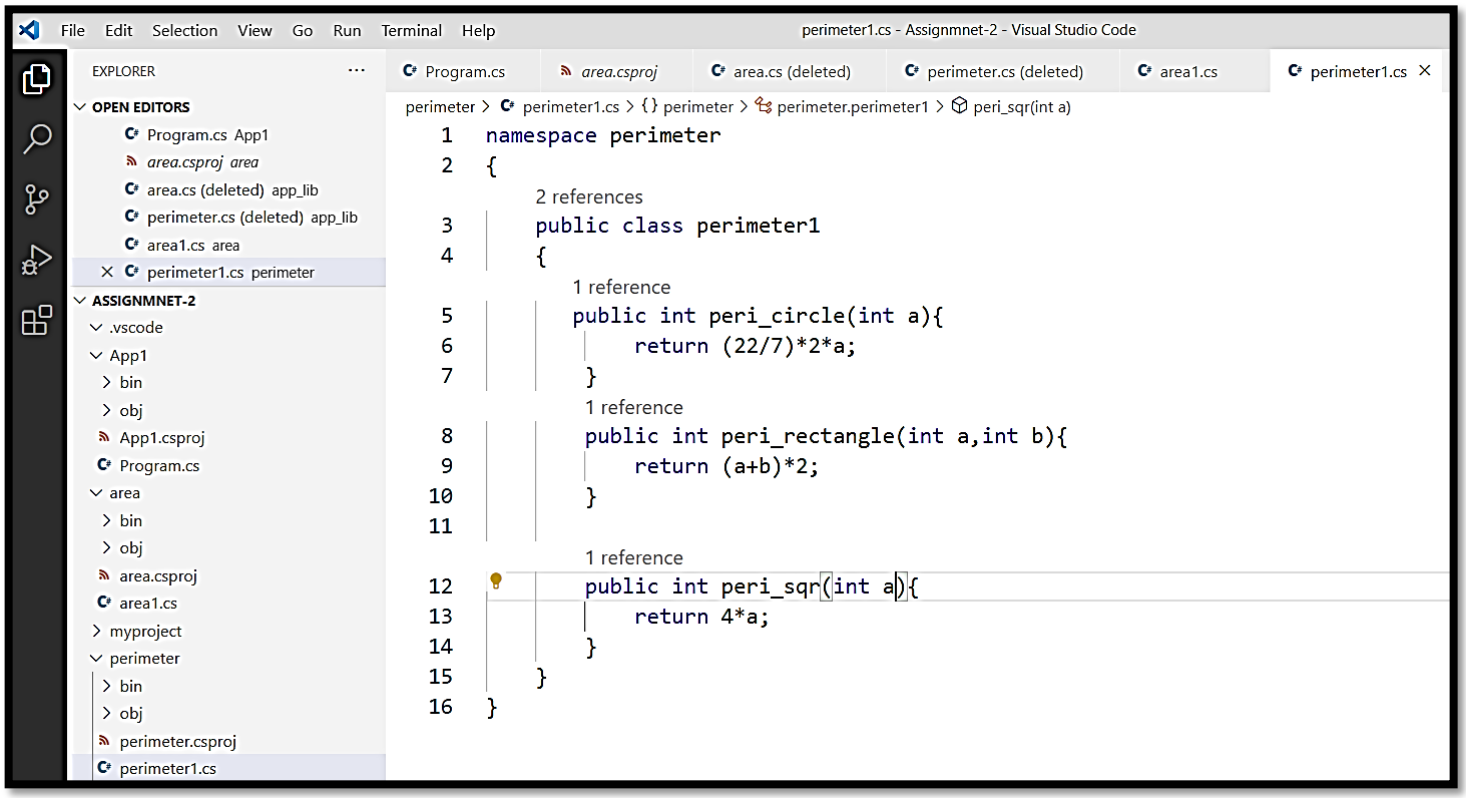


Step 9) Now we are going to create some function inside classes of area and perimeter library

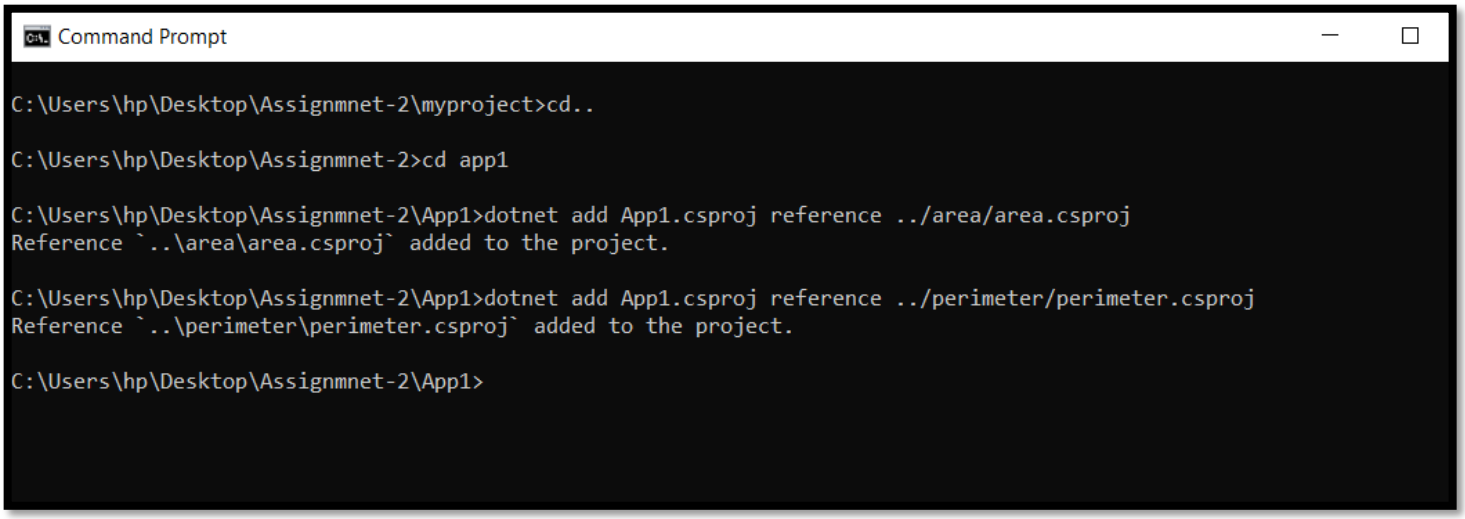
Area1 class



Perimeter1 class



Step 10) Now we are going to take references from area and perimeter library to our application App1.csproj

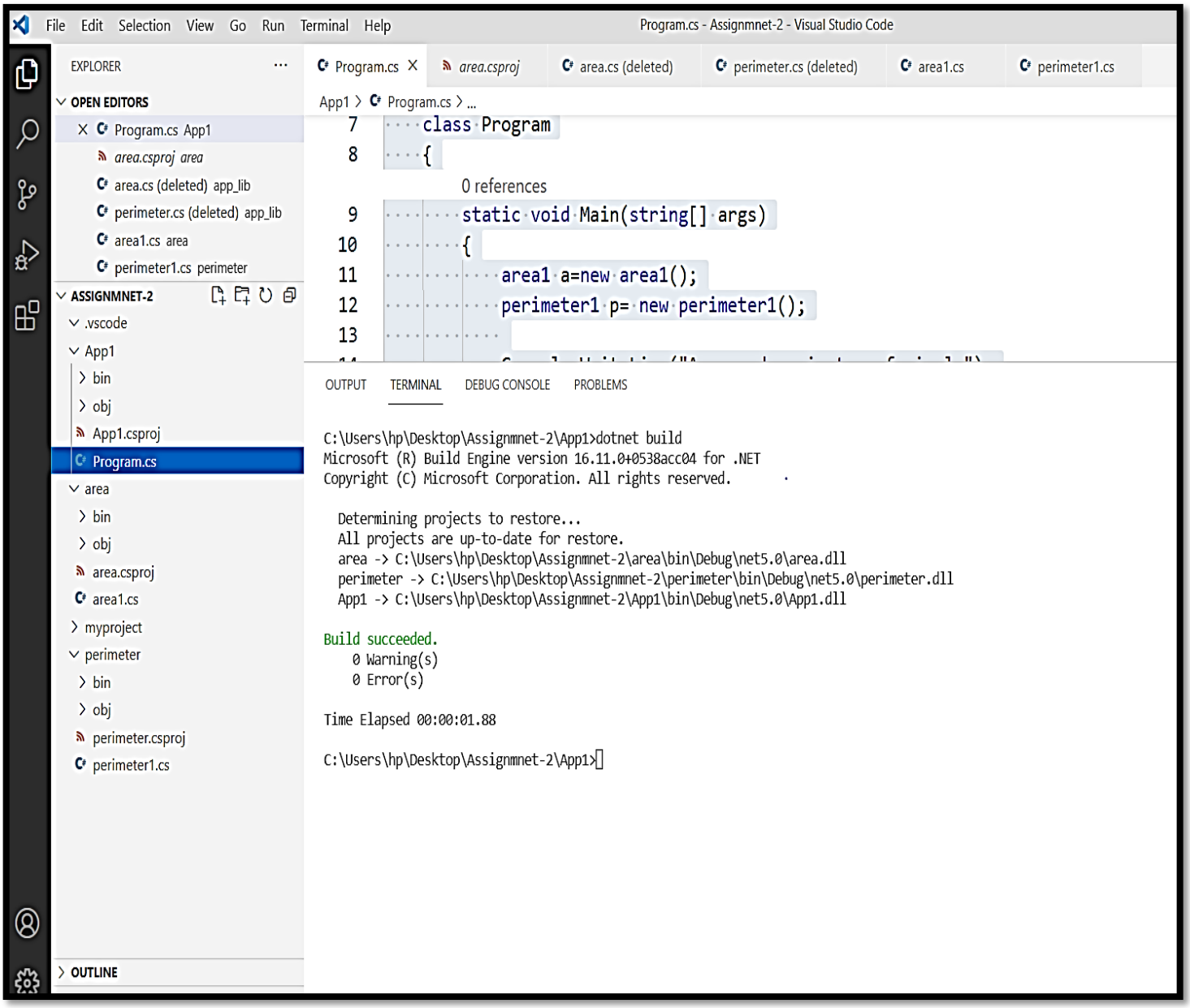


Step 11) Now we are going to create obj of classes in our application app1 inside program.cs as shown below:-

```
using System;
using area;
using perimeter;

namespace App1
{
    class Program
    {
        static void Main(string[] args)
        {
            area1 a=new area1();
            perimeter1 p= new perimeter1();

            Console.WriteLine("Area and perimeter of circle");
            Console.WriteLine("enter radius of circle");
            int r=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("area and perimeter of circle  is"+ a.area_circle(r)+" and "+p.peri
_circle(r) );
            Console.WriteLine("Area and perimeter of rectangle");

            Console.WriteLine("enter length of rectangle");
            int l=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("enter width of rectangle");
            int b=Convert.ToInt32(Console.ReadLine());

            Console.WriteLine("area and perimeter of rectangle  is"+ a.area_rectangle(l,b) +" and
 "+p.peri_rectangle(l,b) );
            Console.WriteLine("Area and perimeter of square");
            Console.WriteLine("enter side :");
            int s=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("area and perimeter of square  is"+ a.area_sqr(s)+" and "+p.peri_sq
r(s) );

        }
    }
}
```

Step 12) Now we compile our program.cs inside App1 using "dotnet build" command

Build successfully with no error



Step 13) Now we run program.cs which is inside App1 using "dotnet run" command

Run successfully