



Software Quality And Testing

Section: A

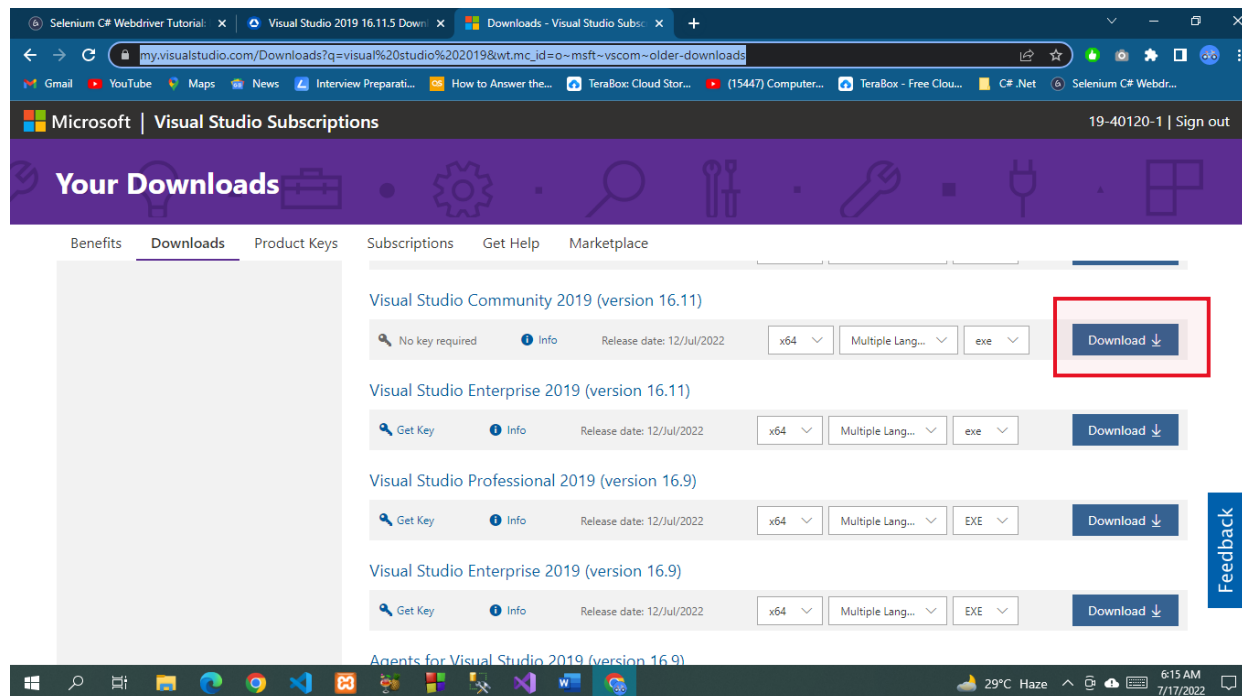
Group Assignment- 01

Name	Id
Md. Mridul Hosen	18-38215-2
Mohammed Mofizur Rahman	19-40120-1
Md. Abir Hossain	19-40907-2
Abid Mahamud Rabbi	17-35546-3

Downloading and Installing process of Visual Studio 2019

Step 01: Navigate to the URL

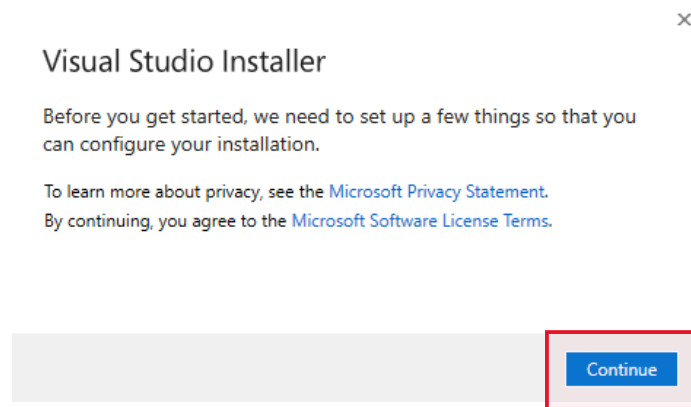
https://my.visualstudio.com/Downloads?q=visual%20studio%202019&wt.mc_id=o~msft~vscom~older-downloads and we clicked on the 'Download' button displayed on Visual Studio Community 2019 tab.



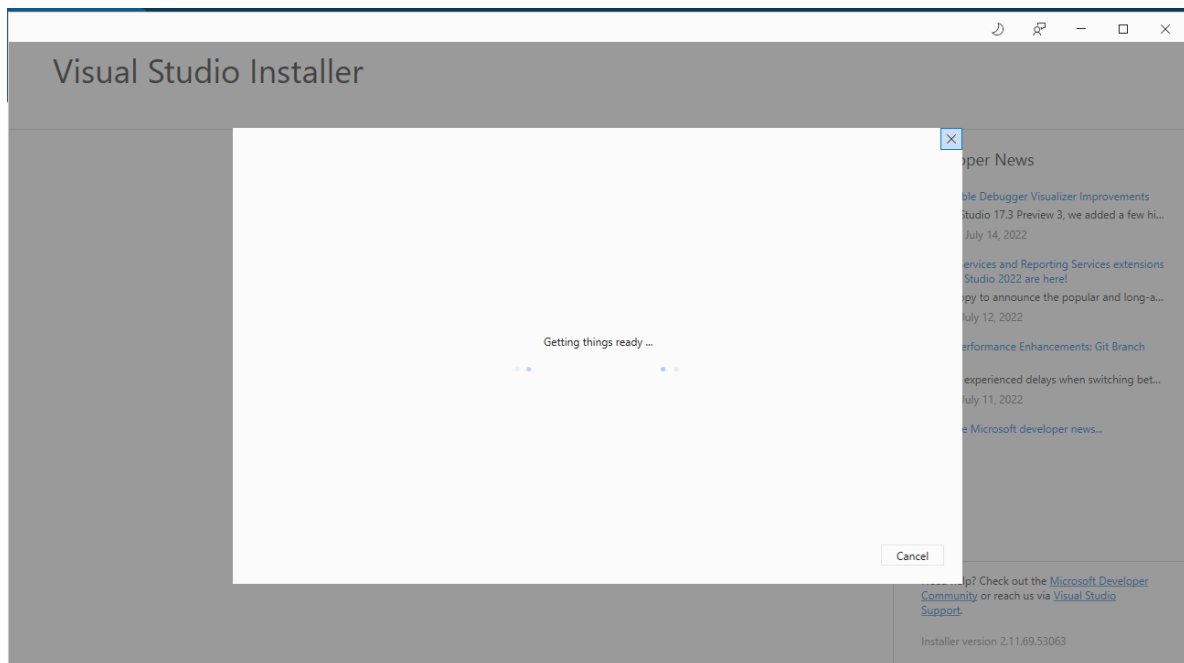
Step 02: Now the exe file is downloaded and opened. Click on 'Yes' if asked for Admin Rights.



Step 03: The below popup will appear. Click on 'Continue' button.



Files will be downloaded as shown in the popup below.

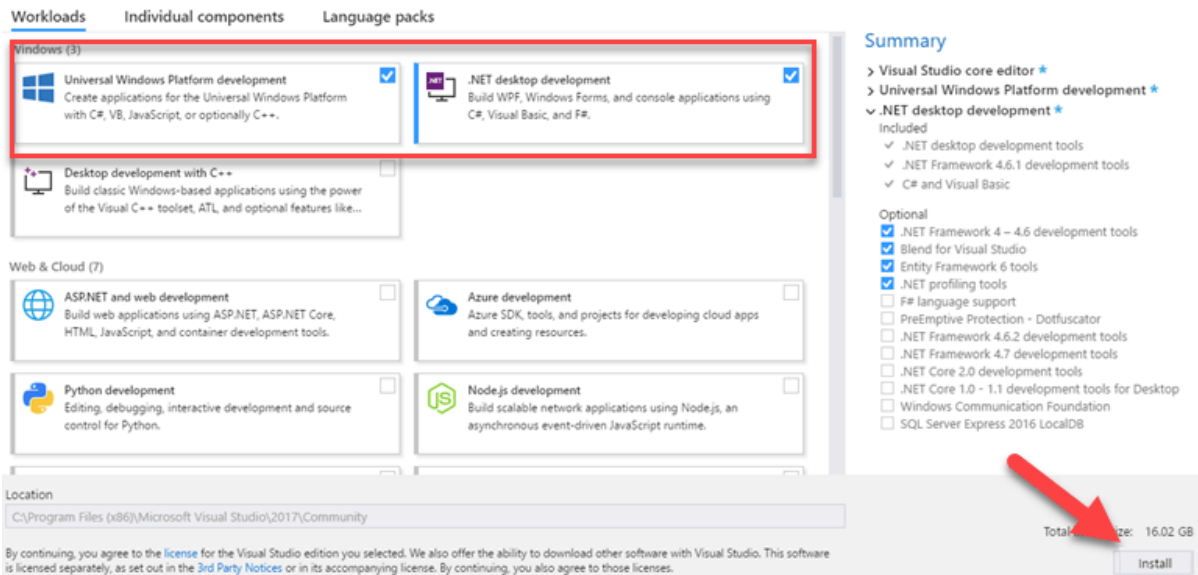


Step 04: In the next screen,

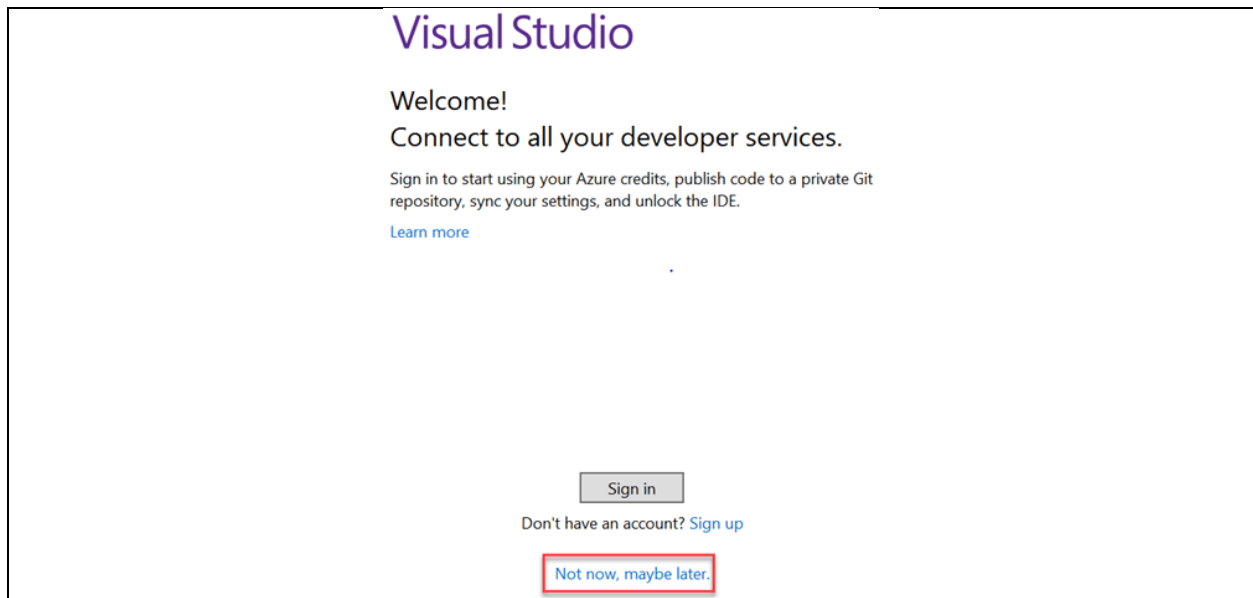
Select the checkboxes for

- Universal Windows Platform development
- .Net desktop development

Have to click on 'Install.'

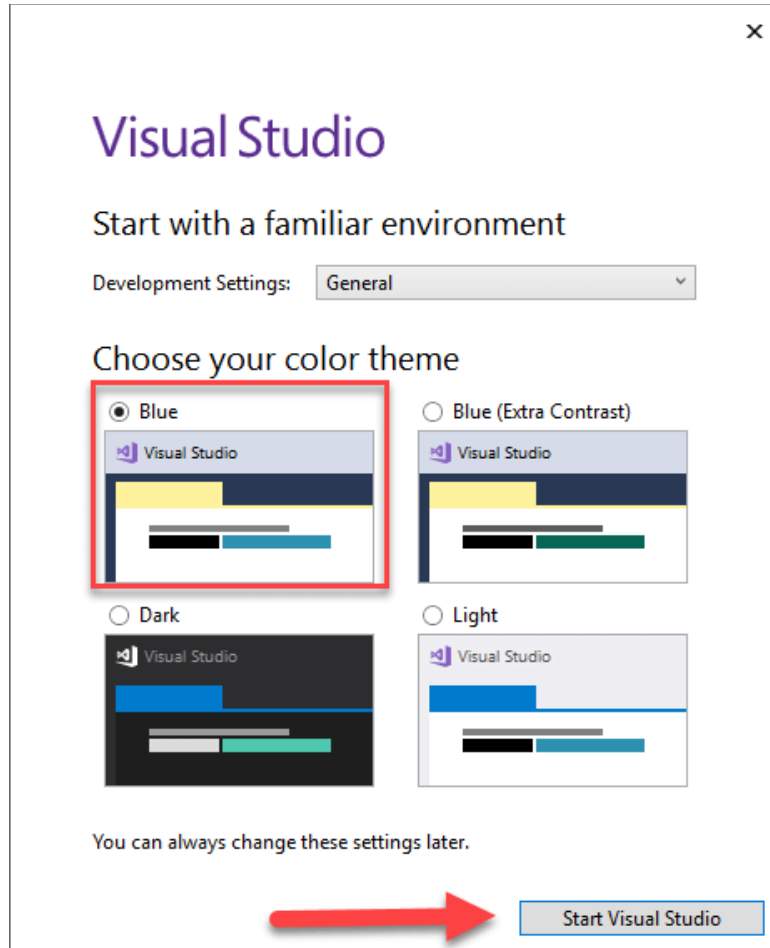


Step 05: Click in “Not now, maybe later” or you may “Sign in”



Step 06: In the next screen,

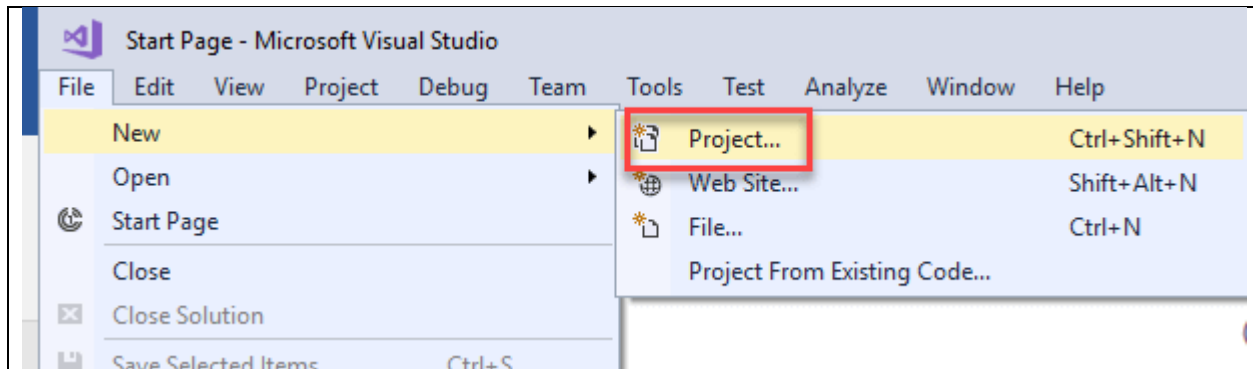
- Select color theme of your liking
- Click the button “Start Visual Studio”



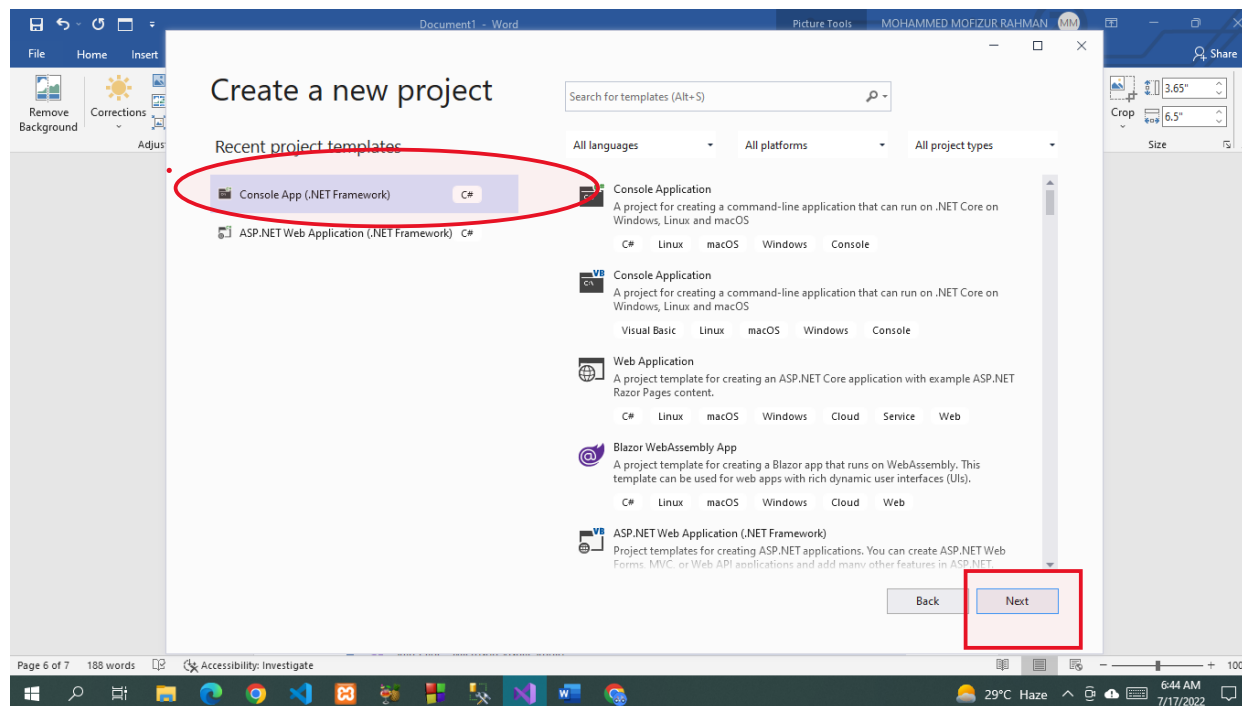
Visual Studio ‘Get Started’ screen will appear.

Creating a Console Application:

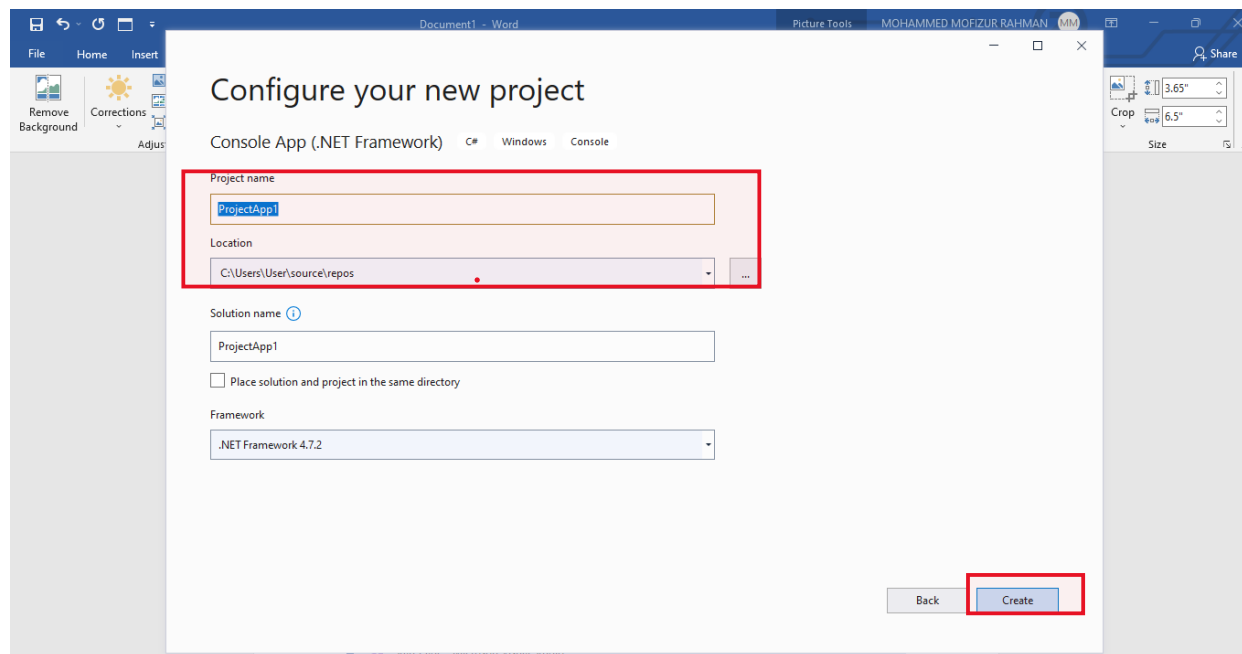
Step 01: Go to File and create a Project as shown below.



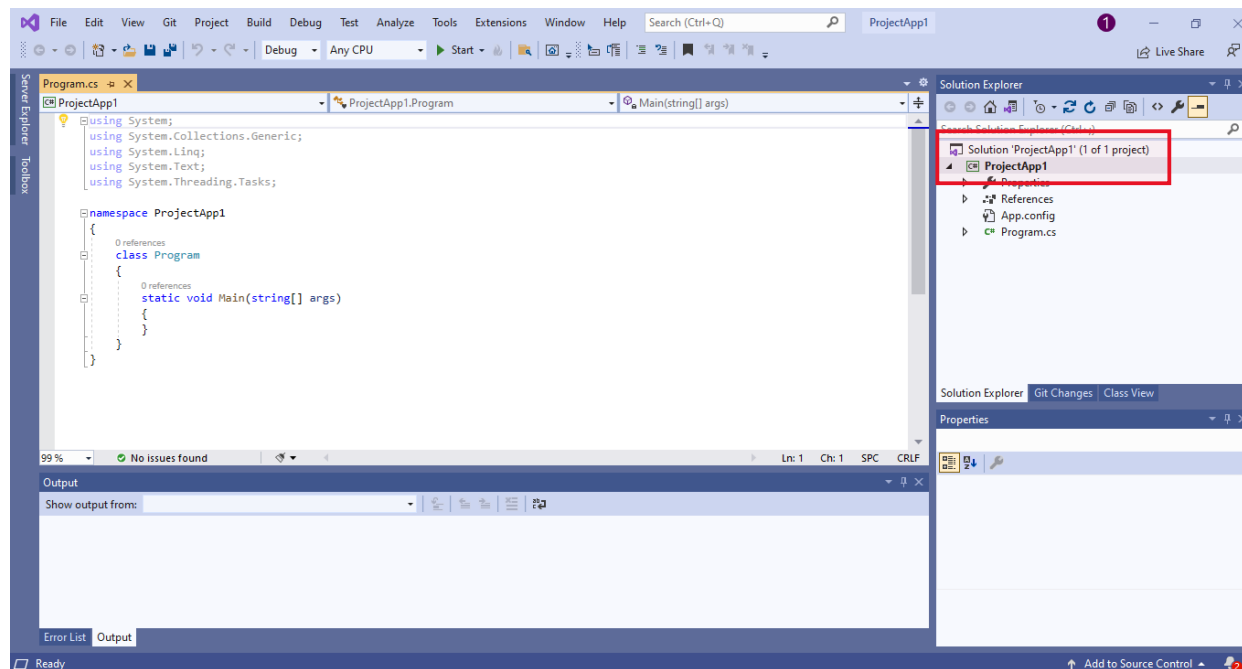
Step 02: Use Console Application (.Net Framework) and click Next.



Step 03: Name your project and Create.

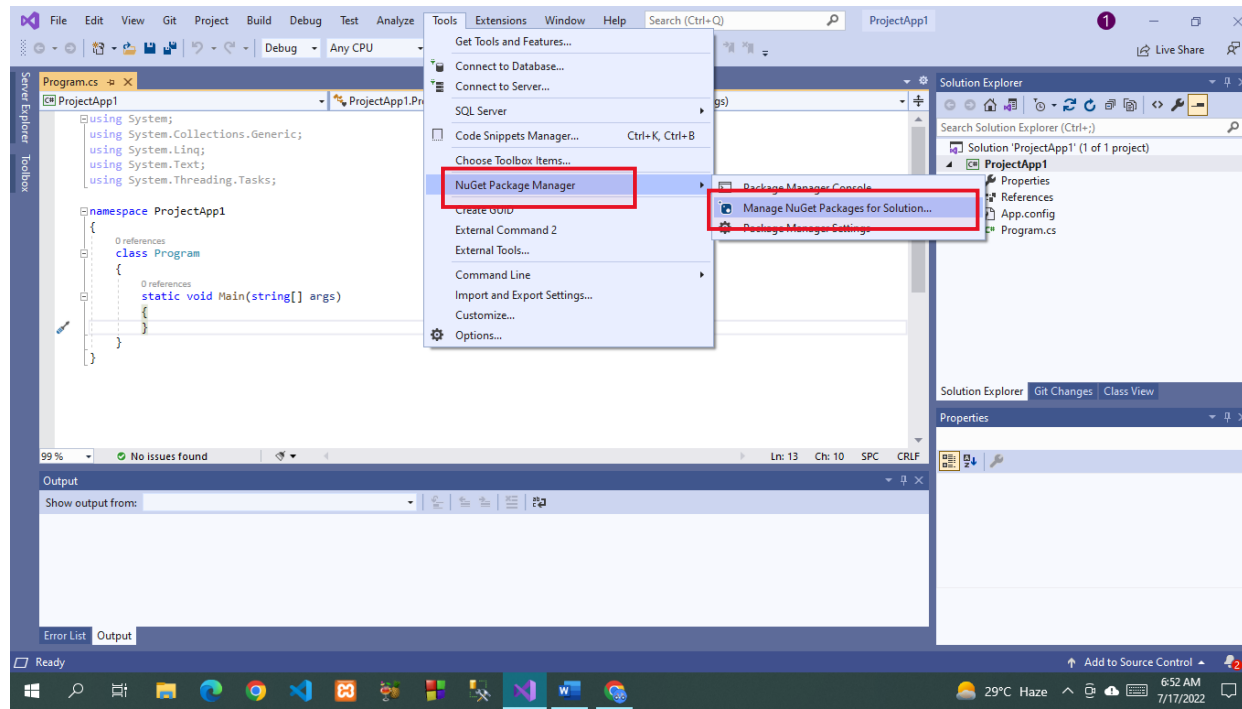


Here, project has been created successfully which is shown in the snapshot below .

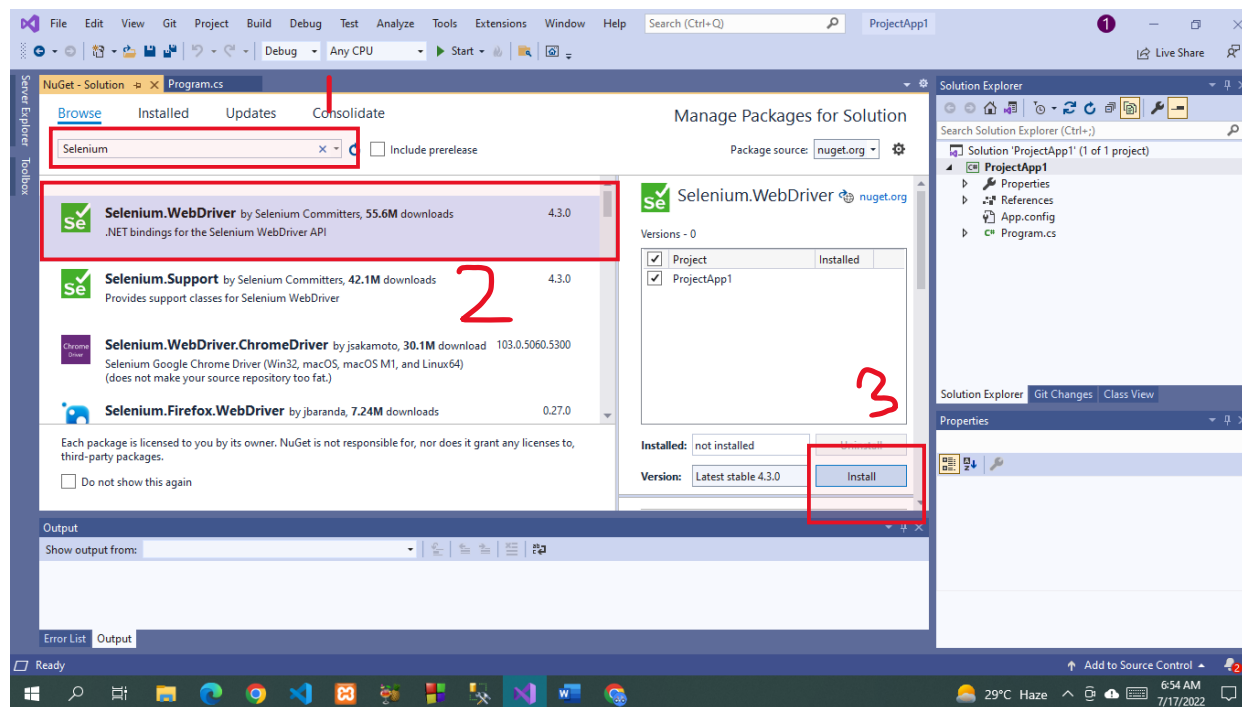


Installing Selenium WebDriver:

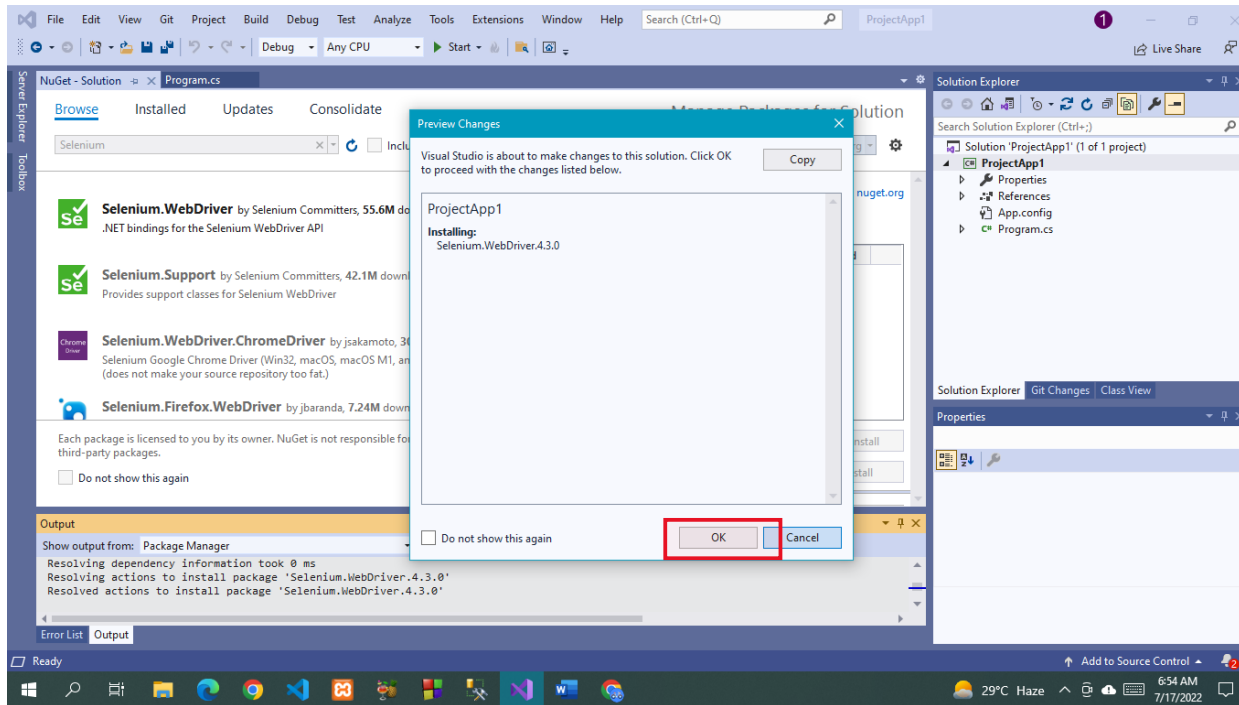
Step 01: At first, we have to go to NuGet Package Manager to install some tools for the testing purposes.



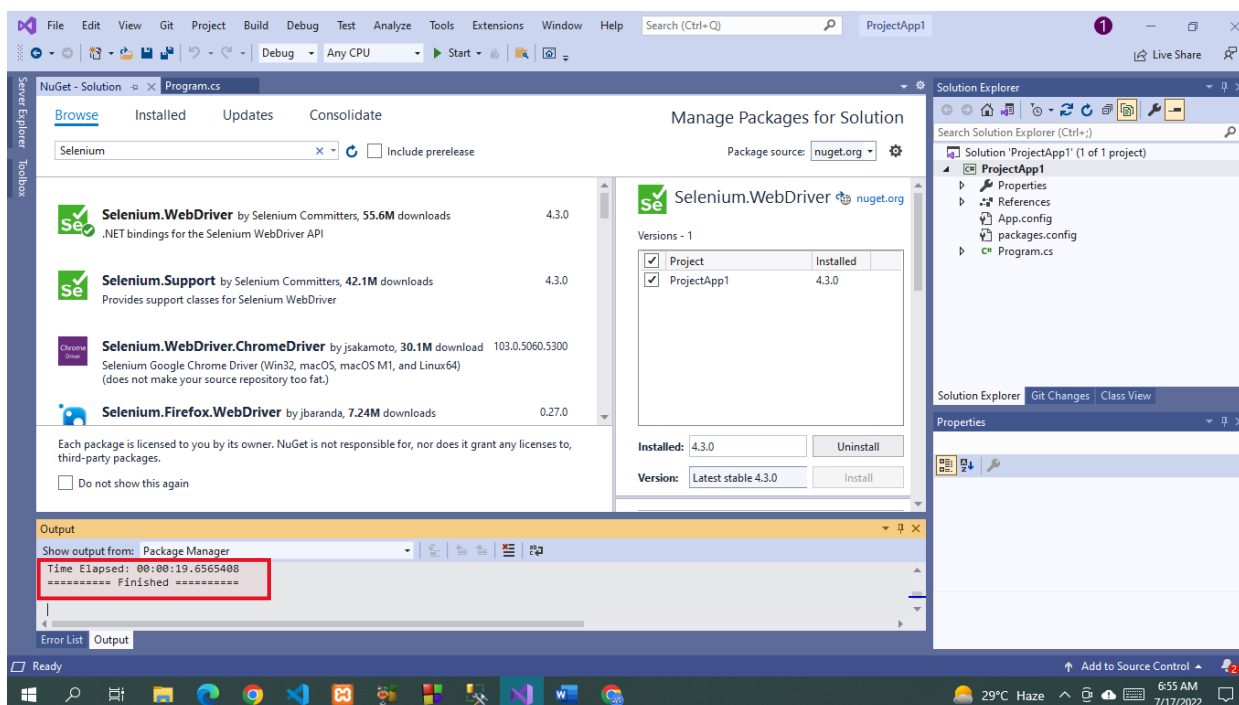
Step 02: Here, we have to search for “Selenium WebDriver” and Install it as shown below.



Step 03: A pop up window will appear. Here, we have to click Ok.

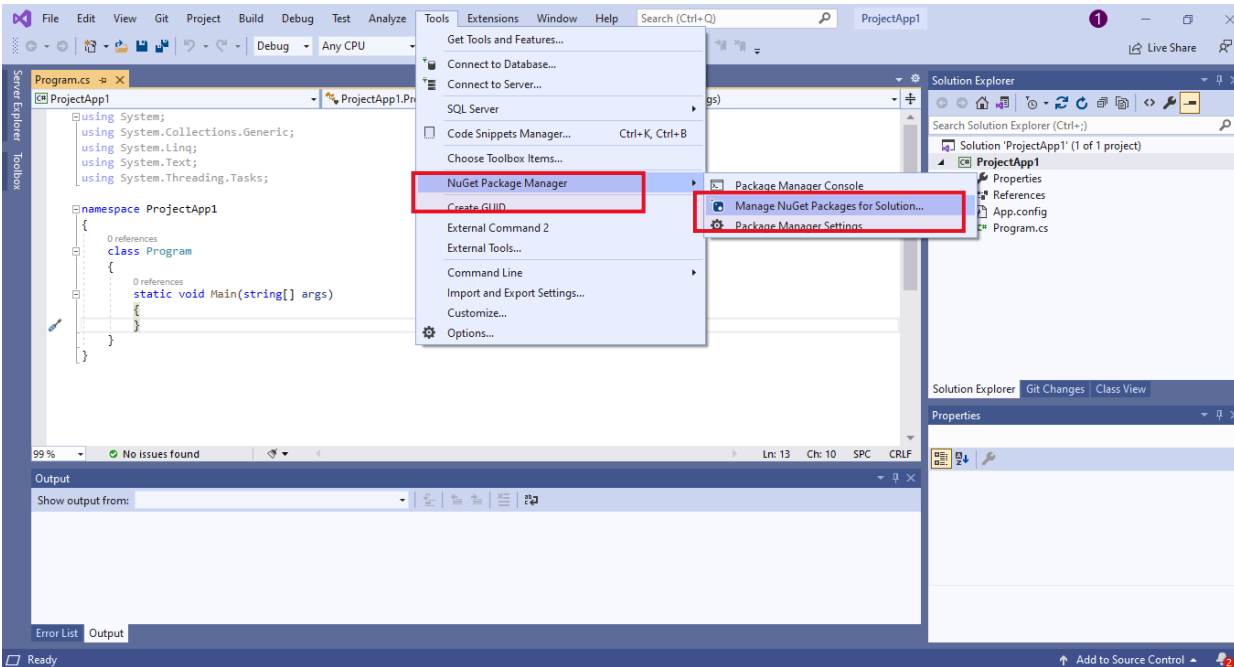


“Selenium WebDriver” is installed successfully

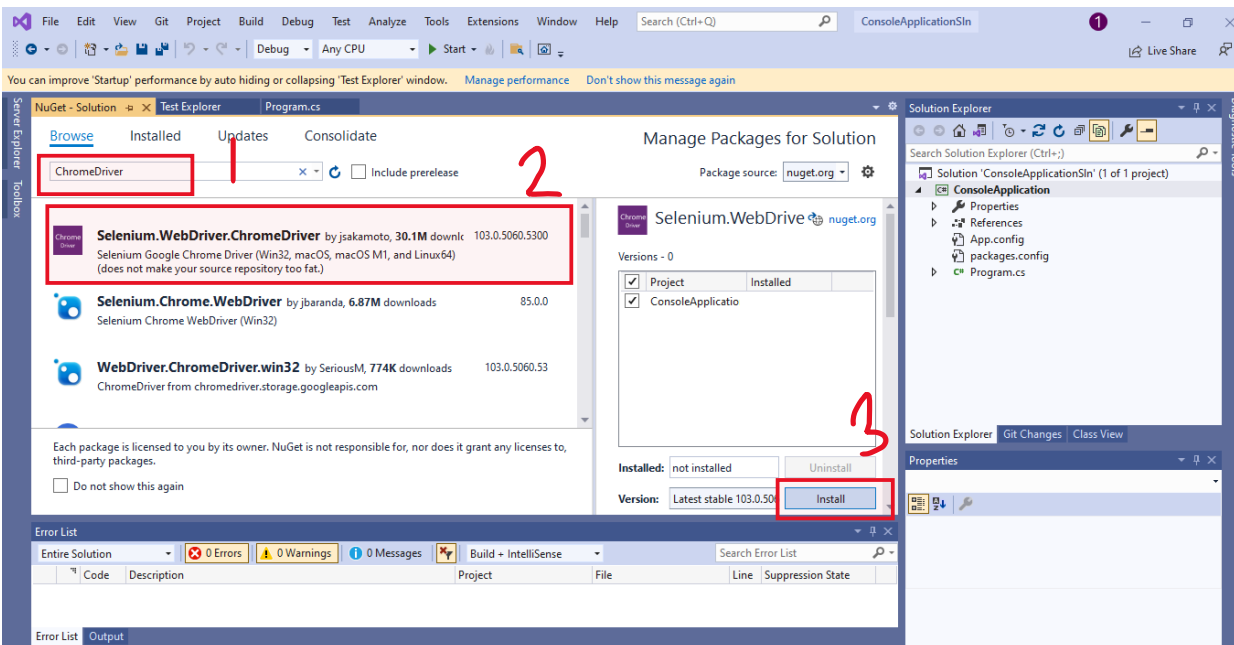


Installing Selenium WebDriver Chrome Driver:

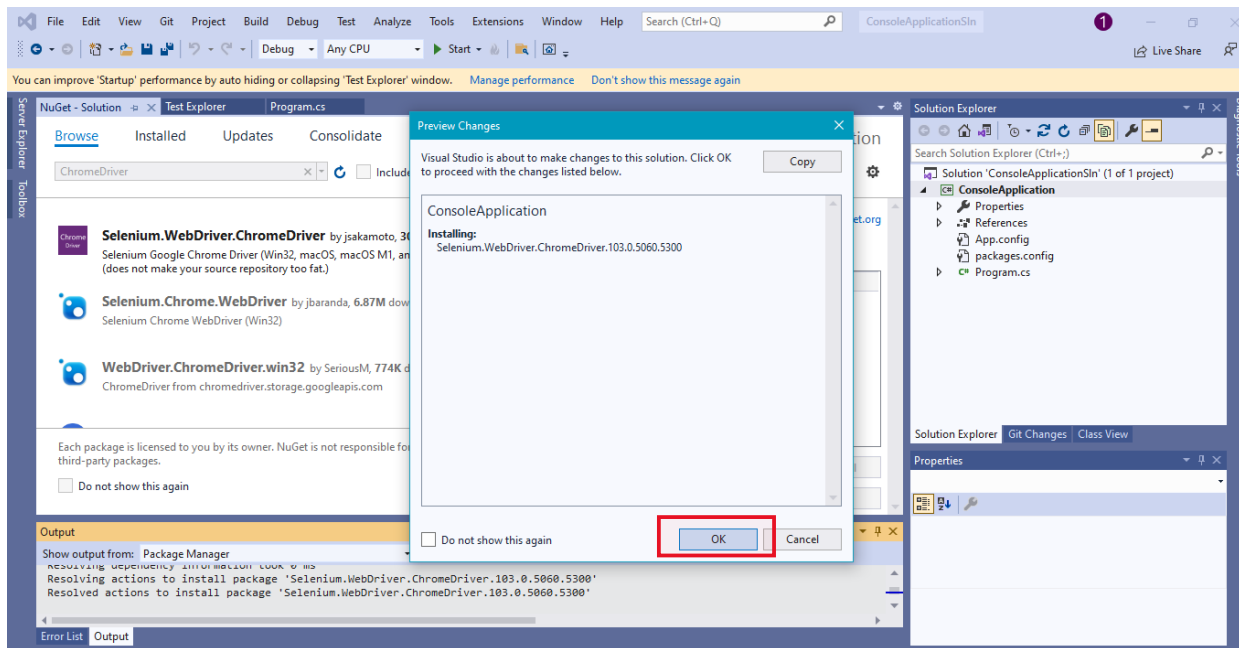
Step 01: At first, we have to go to NuGet Package Manager to install some tools for the testing purposes.



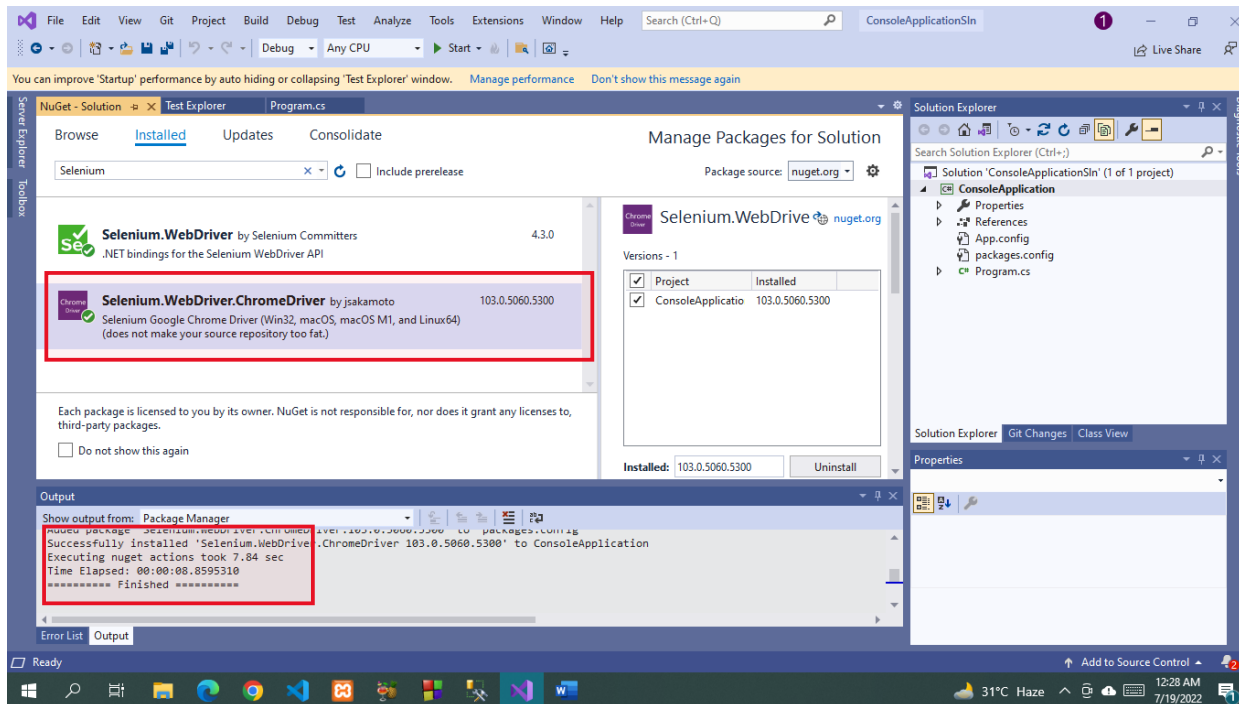
Step 02: Here, we have to search for “Selenium WebDriver ChromeDriver” and Install it as shown below.



Step 03: A pop up window will appear. Here, we have to click Ok.

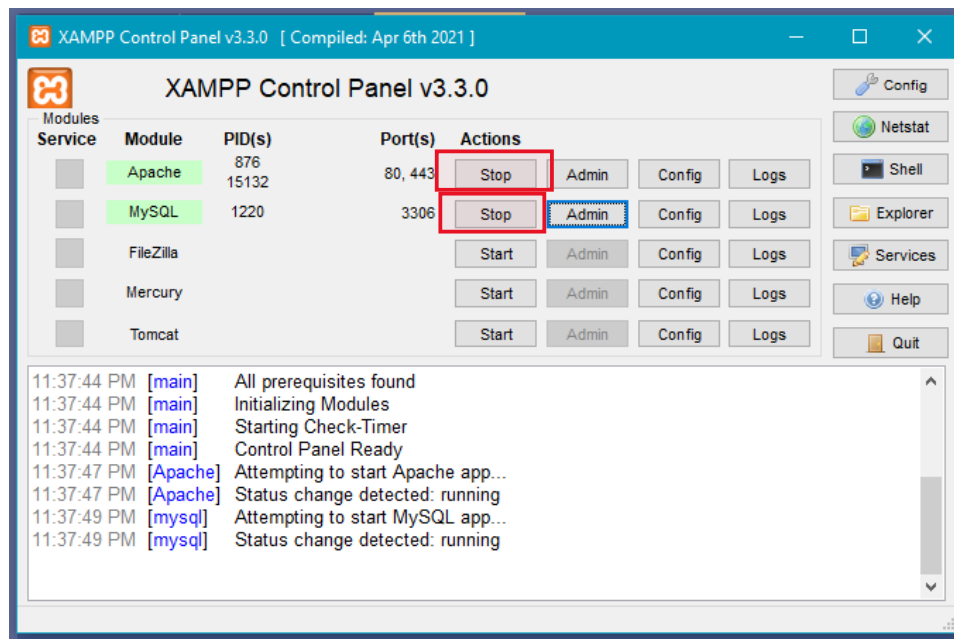


Now, we can see that “Selenium.WebDriver.ChromeDriver” is installed successfully.



Testing Web Technologies Php Project using “Selenium” Automated Testing Software:

Step 01: We first open XAMPP for opening our Php project. We started Apache and MySQL.



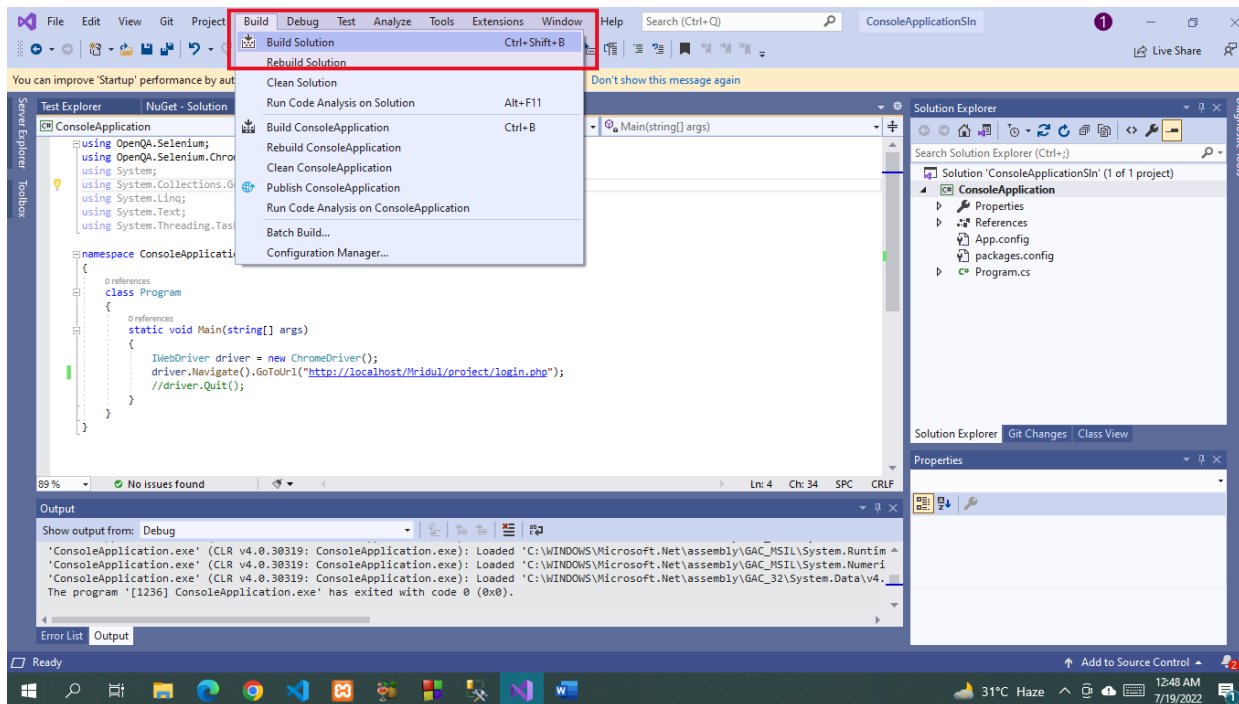
Step 02: We copied our project path, wrote the code as shown below and paste the path on program to use “Selenium” test tool for opening our project.

```
using OpenQA.Selenium;
using OpenQA.Selenium.Chrome;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

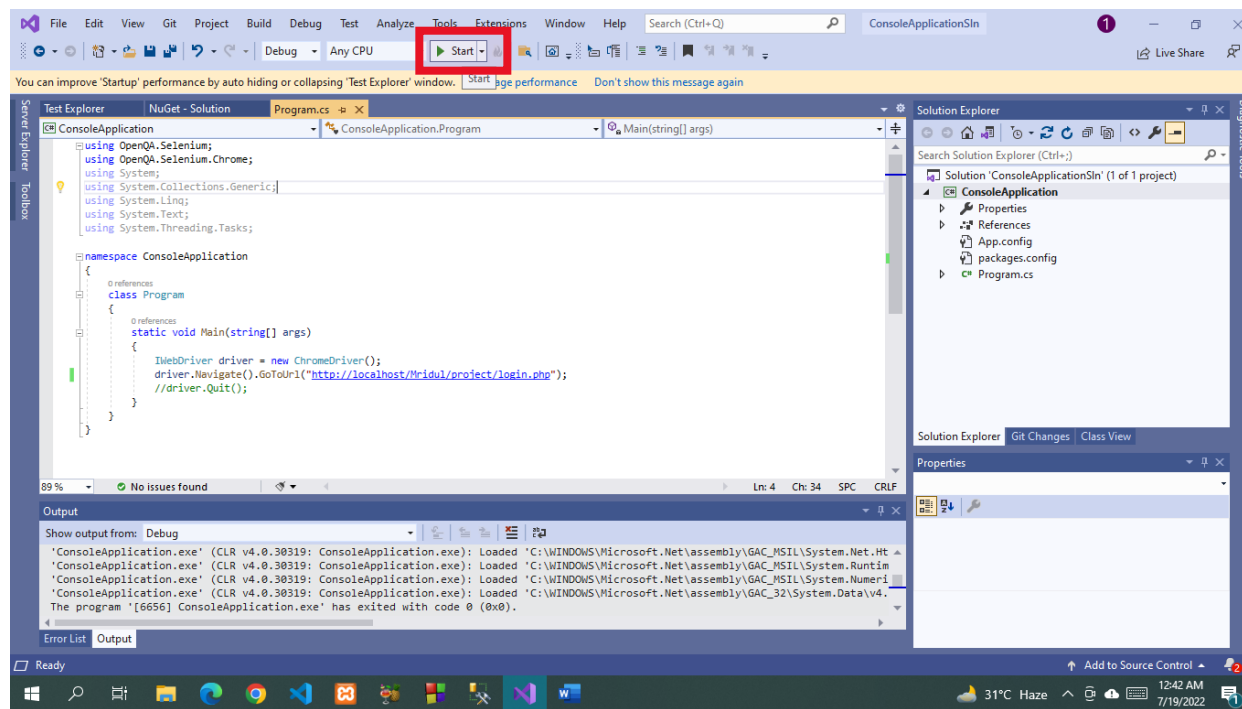
namespace ConsoleApplication
{
    class Program
    {
        static void Main(string[] args)
        {
            IWebDriver driver = new ChromeDriver();
```

```
driver.Navigate().GoToUrl("http://localhost/Mridul/project/login.php");
//driver.Quit();
}
}
}
```

Step 03: We built the solution as shown in the snapshot.



Step 04: We run the project clicking Start button as shown in the snapshot.



Finally, the project is run successfully using Selenium automated testing tool on Chrome Browser.

