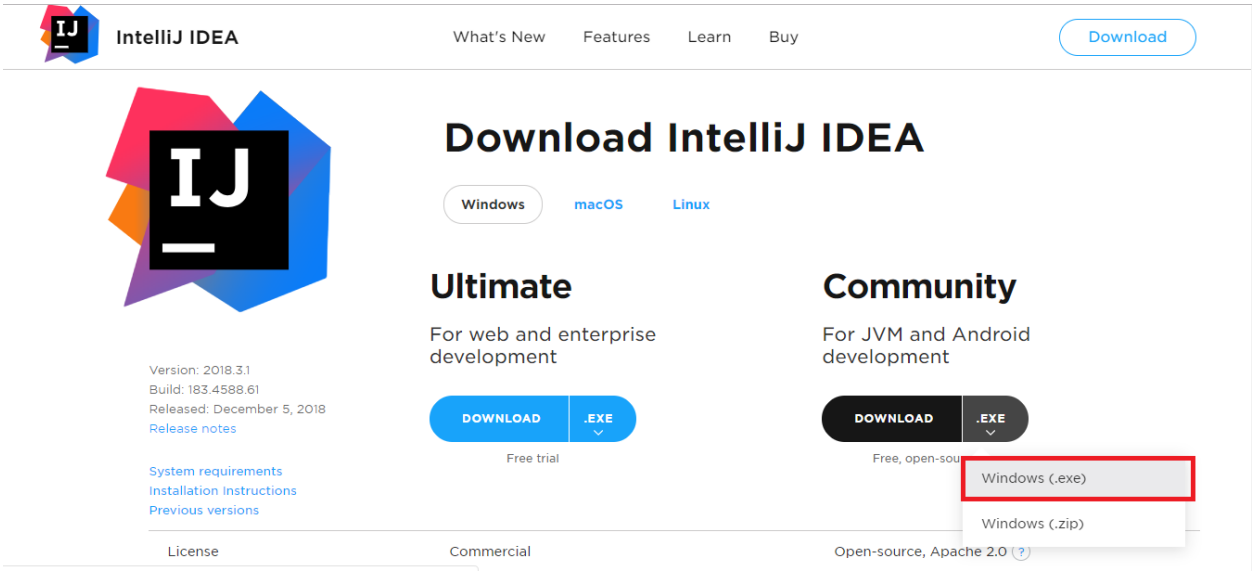
Prerequisites

- IntelliJ setup installed.
- JDK installed.
- chromedriver.exe (if you don't have Mozilla Firefox installed on your computer. Only .exe is required – don't need to install it)

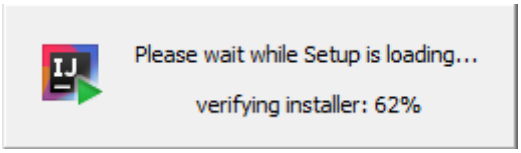
  Download link for chromedriver.exe:
  http://chromedriver.storage.googleapis.com/index.html?path=2.9/

IntelliJ Installation

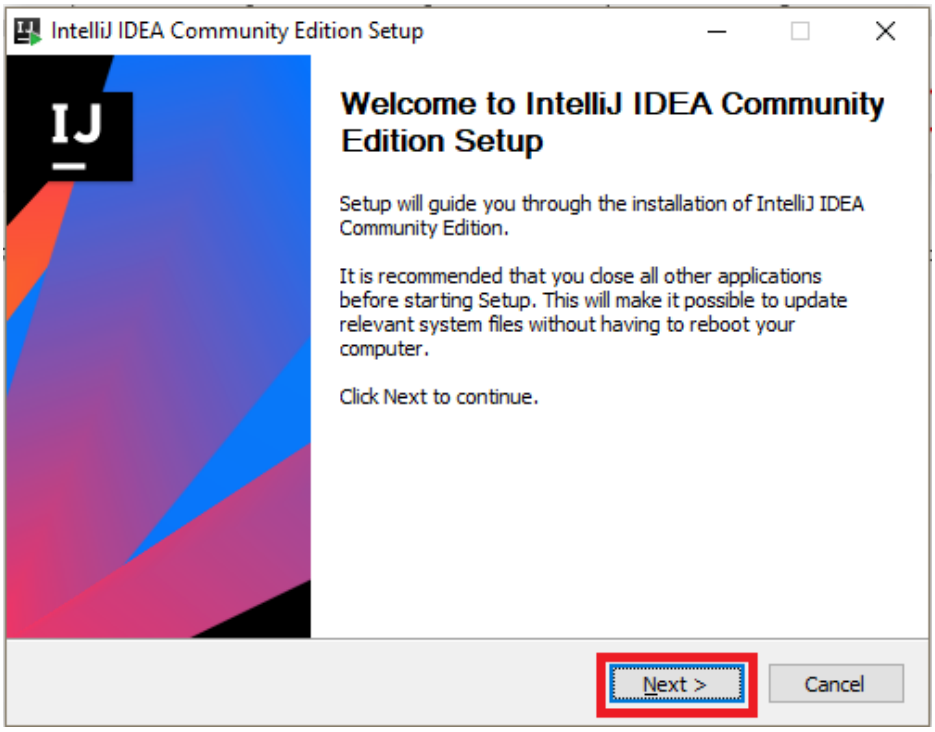
Go to the website https://www.jetbrains.com/idea/download/#section=windows and download the setup.



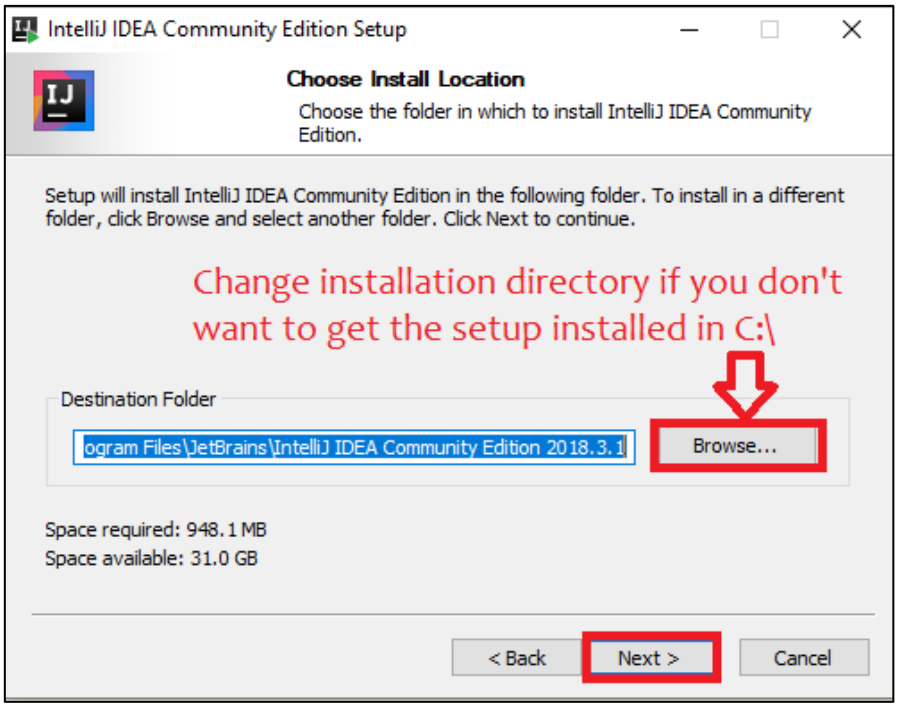
After downloading the setup double click ***ideaIC-2018.3.1.exe***. Your setup will get initiated.



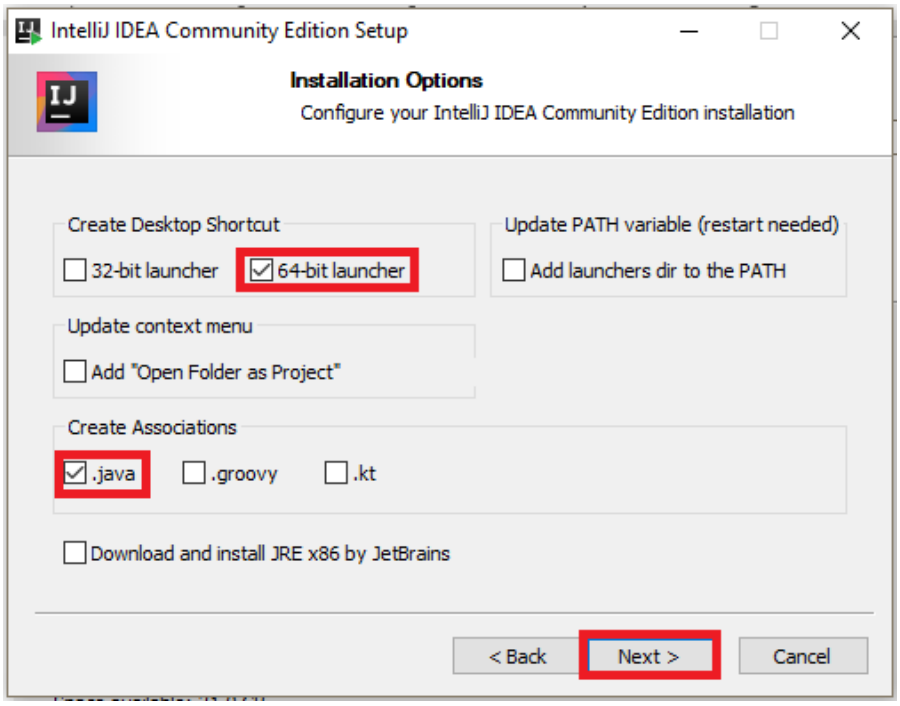
1. Click ***Next.***



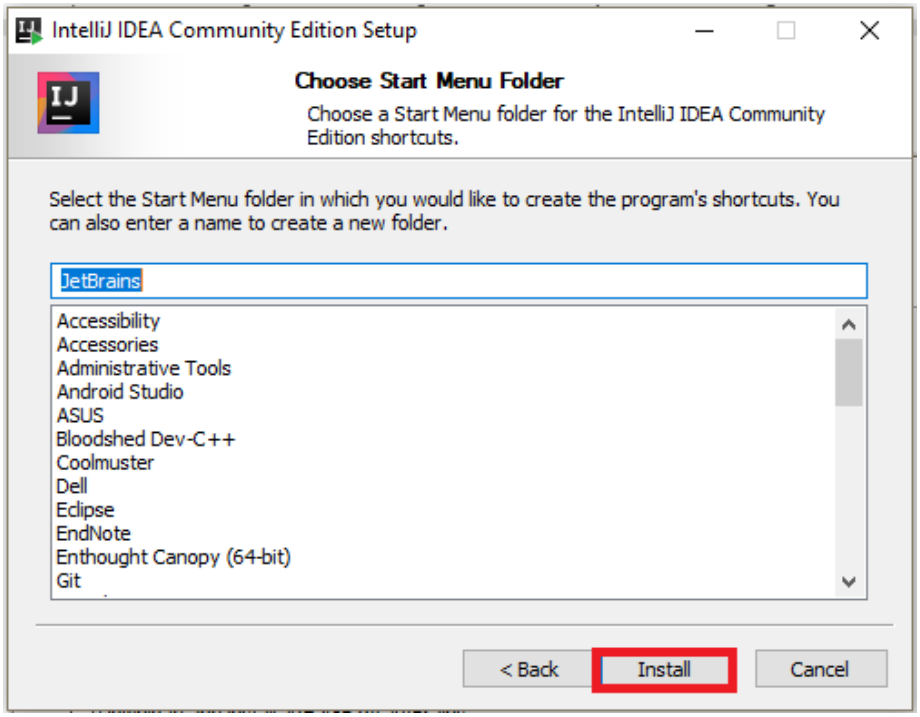
2. Change the installation directory if you want to by going to ***Browse*** and click ***Next.***

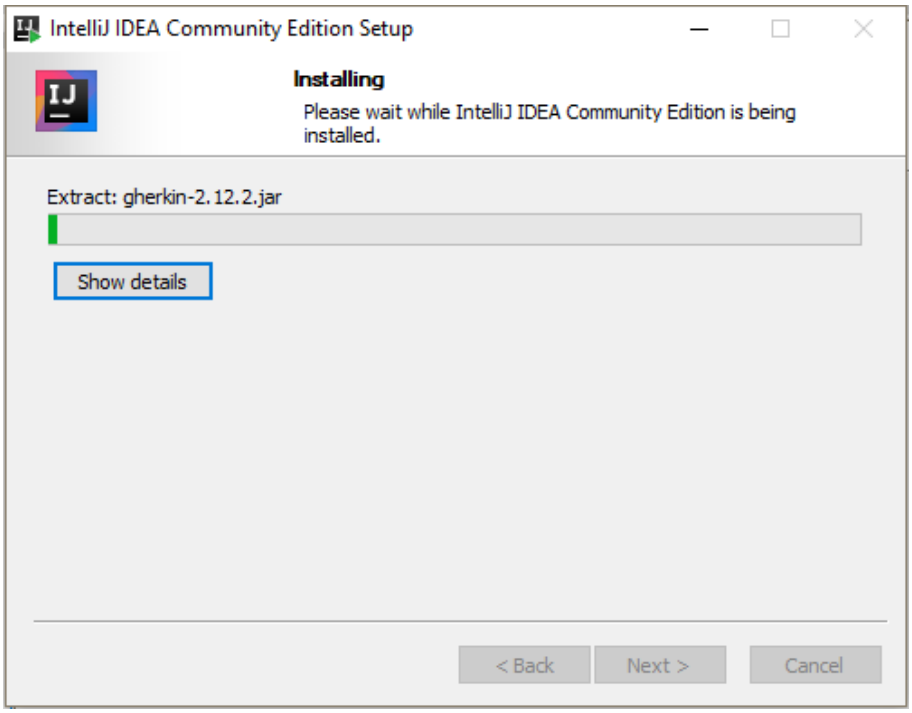


3. Select your system as of ***64-bit or 32-bit*** as per your system properties.
4. Select ***.java*** from Create Associations section.
5. Click ***Next.***

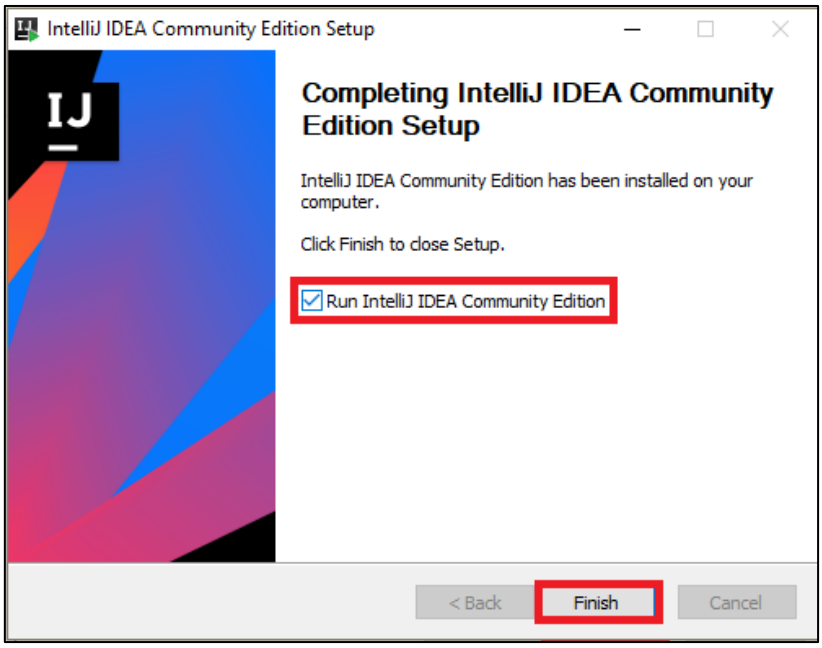

IntelliJ IDEA Community Edition Setup
Installation Options
Configure your IntelliJ IDEA Community Edition installation
Create Desktop Shortcut
32-bit launcher
64-bit launcher
Update PATH variable (restart needed)
Add launchers dir to the PATH
Update context menu
Add "Open Folder as Project"
Create Associations
.java
.groovy
.kt
Download and install JRE x86 by JetBrains
< Back
Next >
Cancel

6. Click ***Install.***





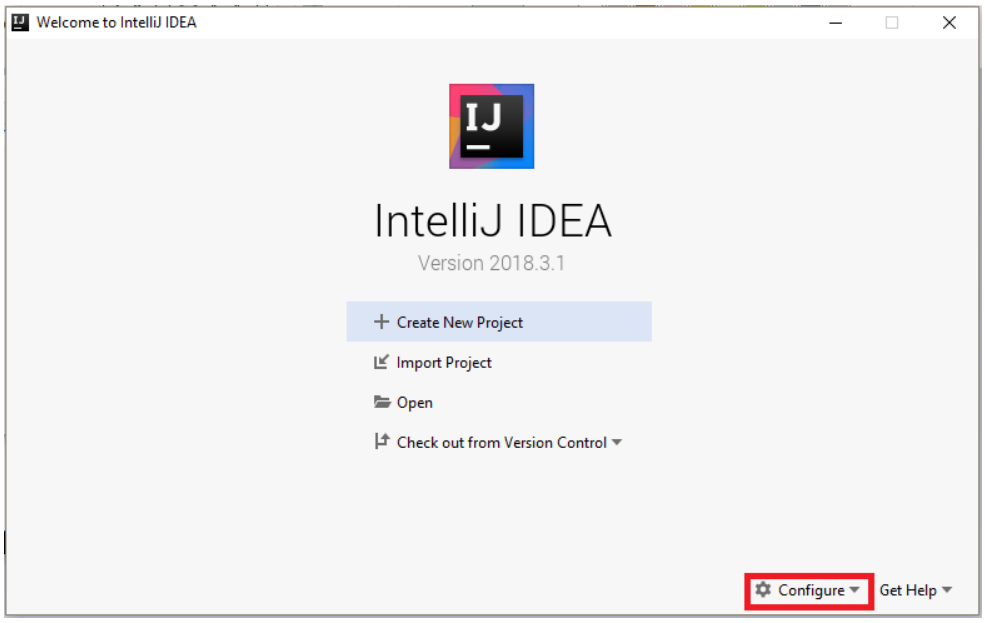
7. Select ***Run IntelliJ IDEA Community Edition.***
8. Click ***Finish.***



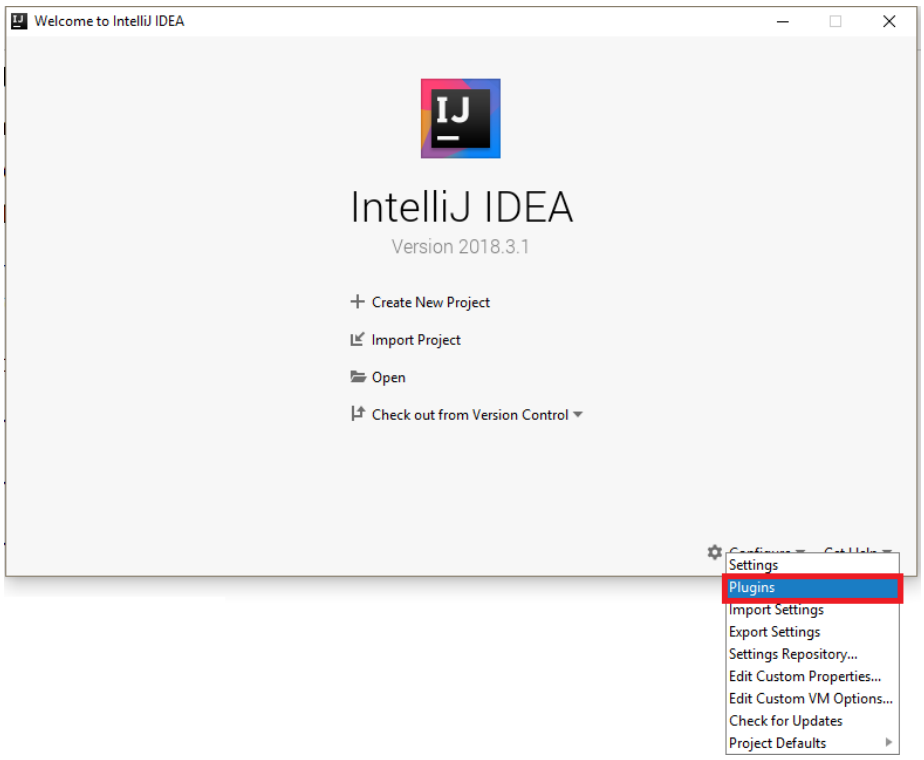
- After your setup opens for the very first time it asks to import settings – Select ***Do not import settings*** and click ***OK***.

Installing Selenium Plugin

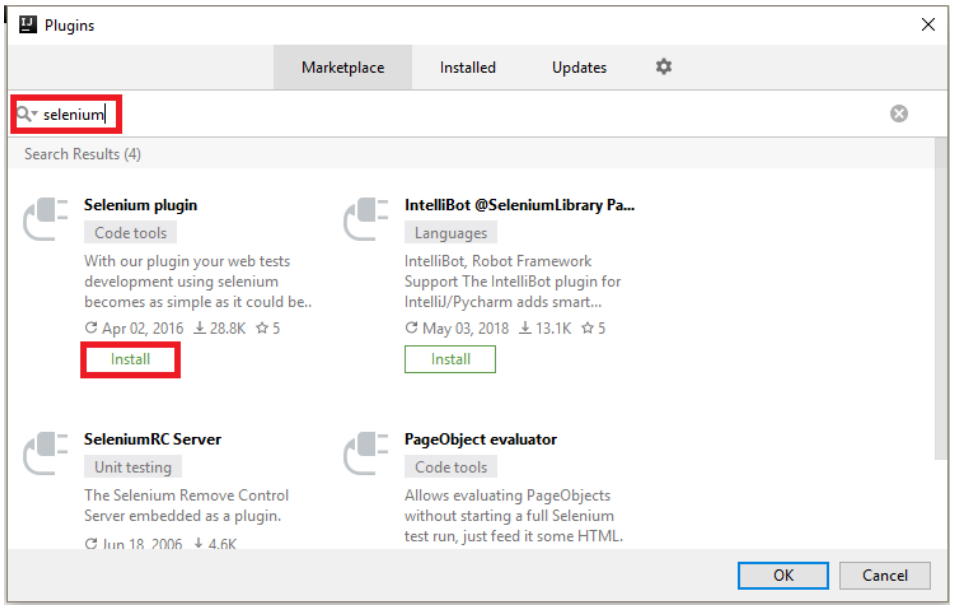
1. Click ***Configure.***

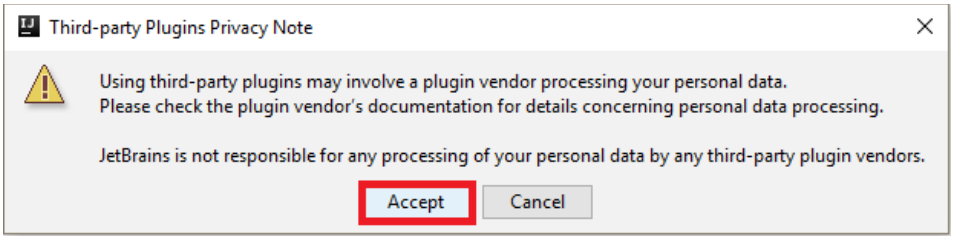


2. Select ***Plugin***

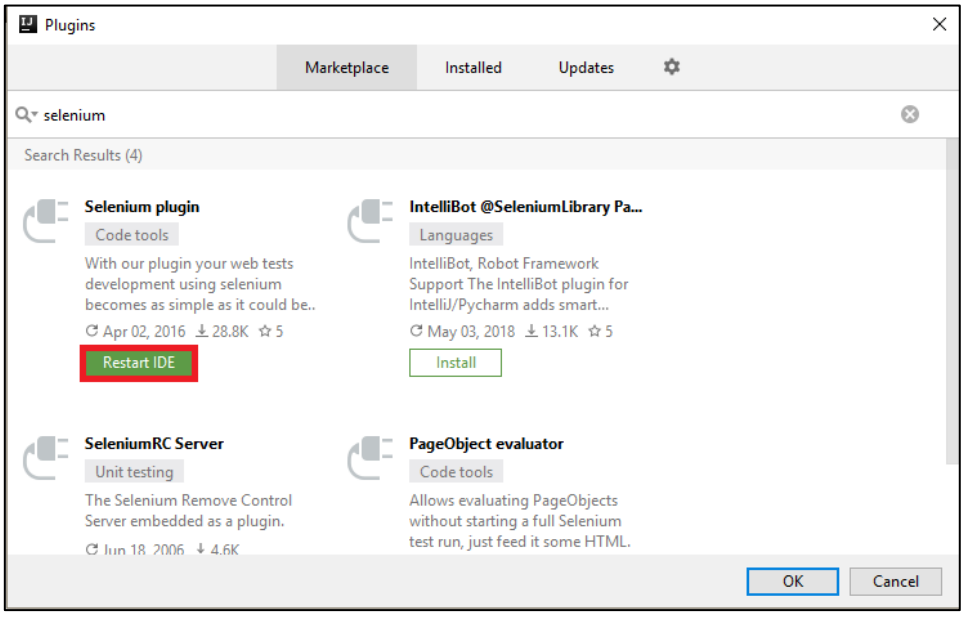


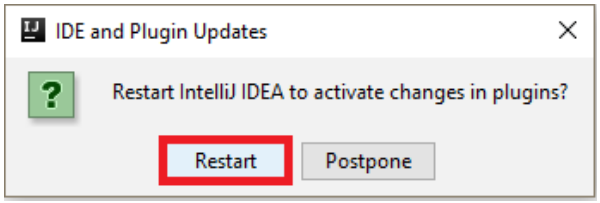
3. Search for ***selenium*** in the search bar.
4. Install ***Selenium Plugin.***





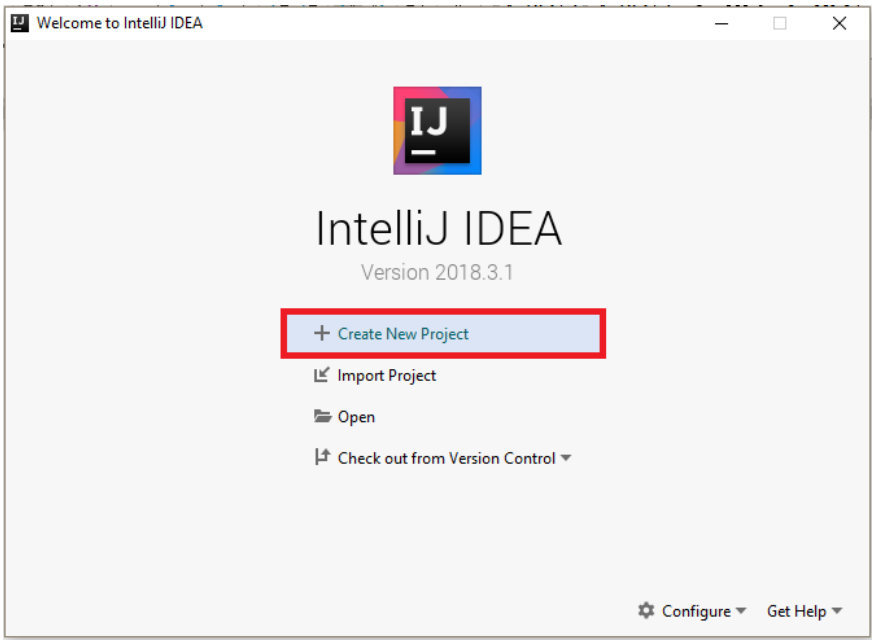
5. ***Restart IDE.***



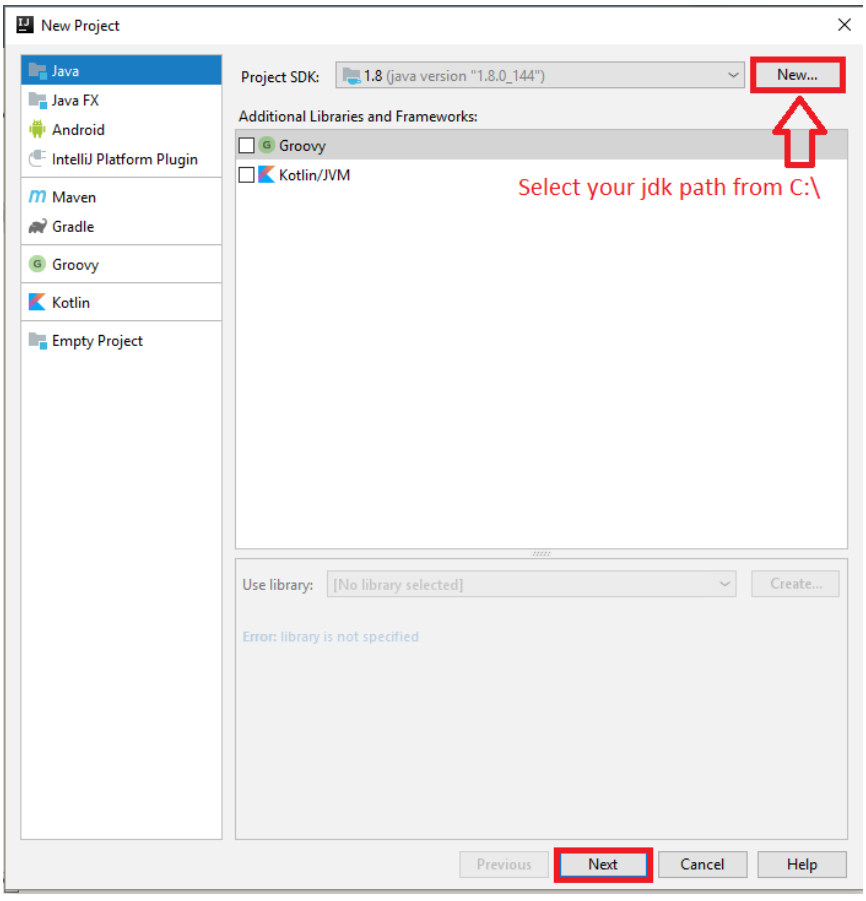


Getting started with Selenium WebDriver with Junit

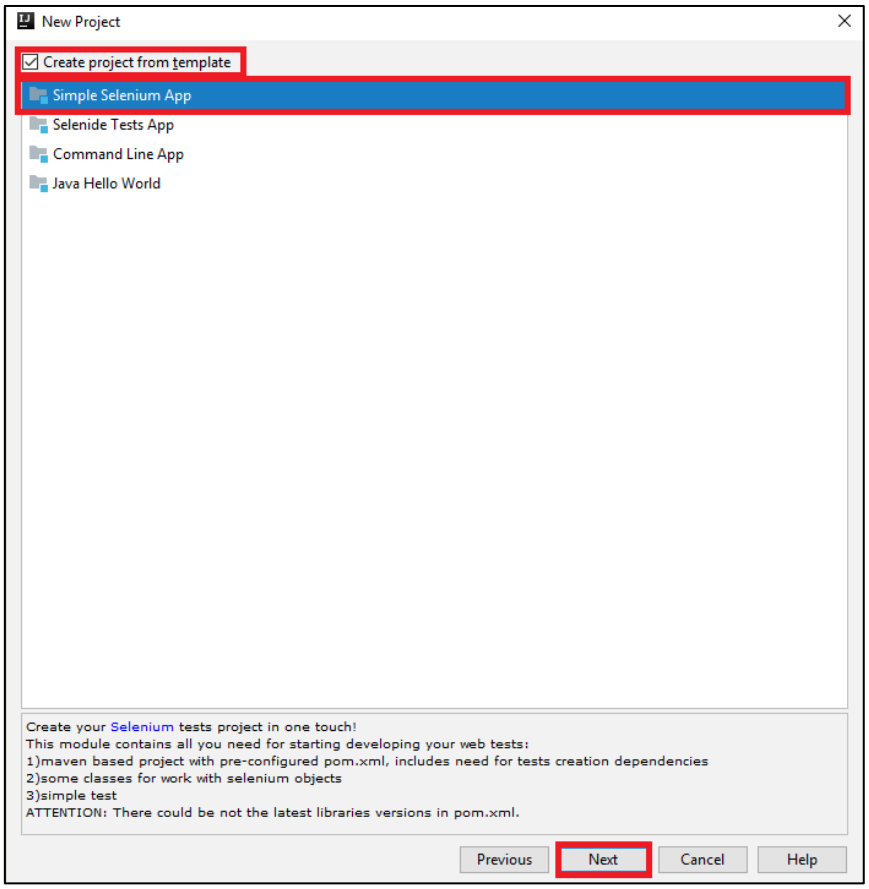
1. Create a New Project.



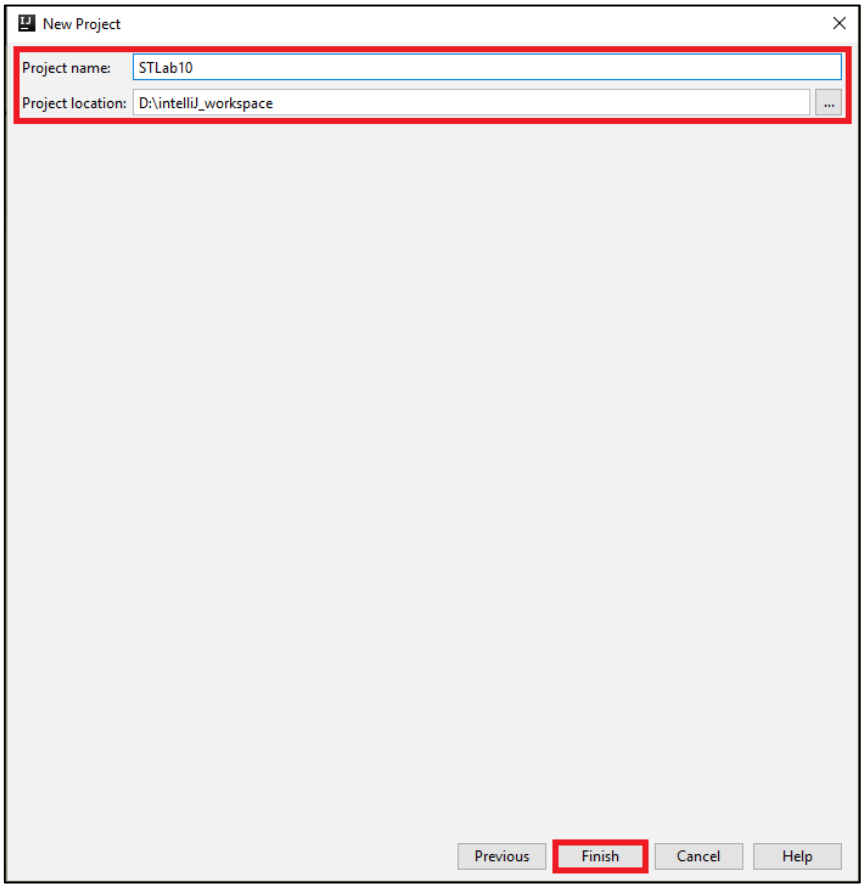
2. Select the path to your jdk from C:\



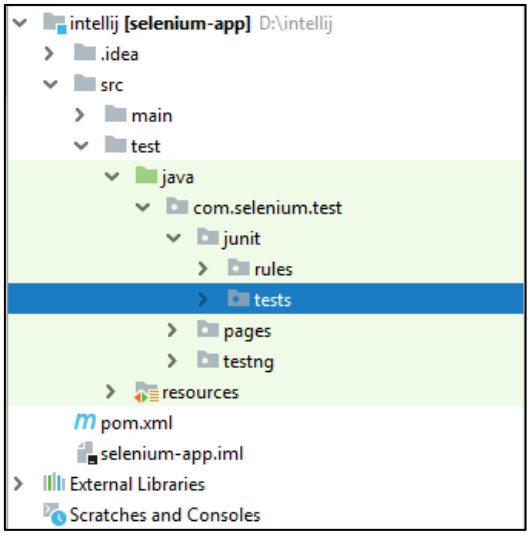
3. Check the option ***Create project from template***
4. Select template ***Simple Selenium App***



5. Name your project and select its directory.
6. Click ***Finish.***



7. Your project will be created in the Project View navigate to:
(workspace name)\src\test\java\com.selenium.test\junit\tests
and ***right click on tests.***



8. Select ***New > Java Class***
9. Name your class as ***TestExample1*** and click ***OK***.
10. In it create three functions as:

```
@Before
public void setUp(){

}

@After
public void tearDown() {
```

```
}

@Test
public void testExamples() {
    // We will put examples in here
}
```

In the setup() function write the code to be tested so that the setup() will be as:

```
@Before
public void setUp() throws MalformedURLException {
    System.setProperty("webdriver.chrome.driver",
            "E:\\chromedriver_win32\\chromedriver.exe");
    WebDriver driver = new ChromeDriver();
    driver.get("http://www.theautomatedtester.co.uk/demo2.html");
    WebElement someElement =
            driver.findElement(By.className("draggable"));
    WebElement otherElement =
            driver.findElement(By.className("droppable"));
    Actions builder = new Actions(driver);
    Action dragAndDrop = builder.clickAndHold(someElement)
            .moveToElement(otherElement)
            .release(otherElement)
            .build();
    dragAndDrop.perform();
}
```

You have to give the path to chromedriver.exe where you have placed it in your computer in the first line of setup():

```
System.setProperty("webdriver.chrome.driver",
        "E:\\chromedriver_win32\\chromedriver.exe");
```

Note: If you are using it with Mozilla Firefox replace

```
System.setProperty("webdriver.chrome.driver",
        "E:\\chromedriver_win32\\chromedriver.exe");
WebDriver driver = new ChromeDriver();
```

with

```
WebDriver driver = new FirefoxDriver();
```

11. Press ***Alt+Enter*** to import the required libraries so that your complete test class will be as:

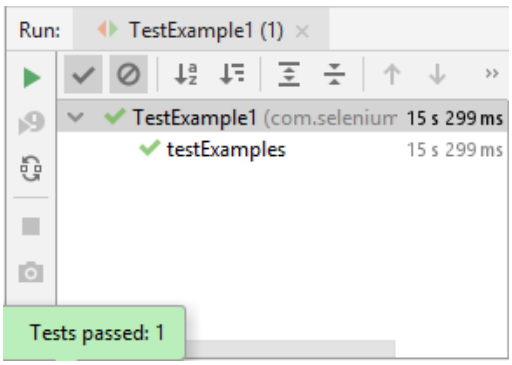
```
package com.selenium.test.junit.tests;

import org.junit.After;
import org.junit.Before;
import org.junit.Test;
import org.openqa.selenium.By;
import org.openqa.selenium.Platform;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Action;
import org.openqa.selenium.interactions.Actions;
import
org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.remote.RemoteWebDriver;

import java.net.MalformedURLException;
import java.net.URL;

public class TestExample1 {

    @Before
    public void setUp() throws
```



```
MalformedURLException {
        System.setProperty("webdriver.chrome.driver",
                "E:\\chromedriver_win32\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("http://www.theautomatedtester.co.uk/demo2.html");
        WebElement someElement =
                driver.findElement(By.className("draggable"));
        WebElement otherElement =
                driver.findElement(By.className("undropped"));
        Actions builder = new Actions(driver);
        Action dragAndDrop = builder.clickAndHold(someElement)
                .moveToElement(otherElement)
                .release(otherElement)
                .build();
        dragAndDrop.perform();
    }

    @After
    public void tearDown() {
    }

    @Test
    public void testExamples() {
        // We will put examples in here
    }
}
```

12. ***Right click TestExample1*** in the Project View and run the test by selecting ***Run 'TestExample1'***. You'll see that the test will pass if there are no bugs found.