Module-5: Continuous Testing Using Selenium

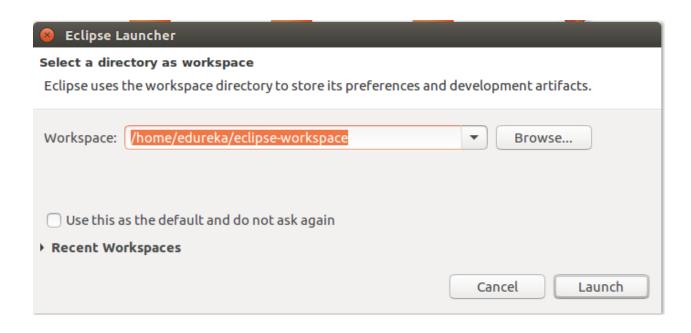
Demo Document

edureka!

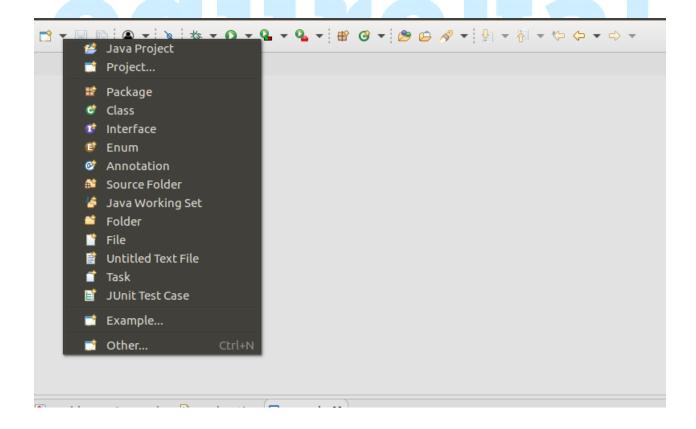


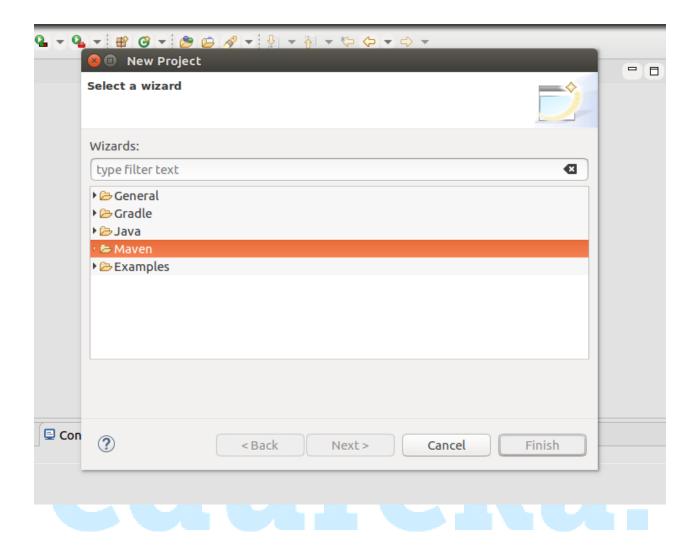
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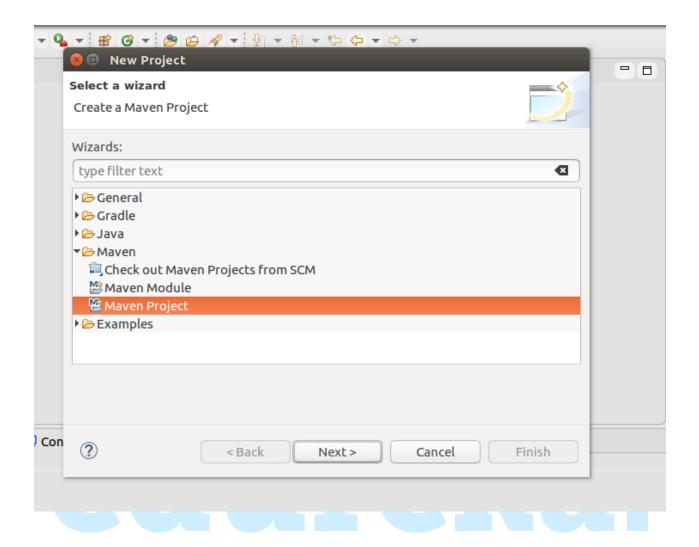
Demo – 1: Create Test case for Addressbook webapp.

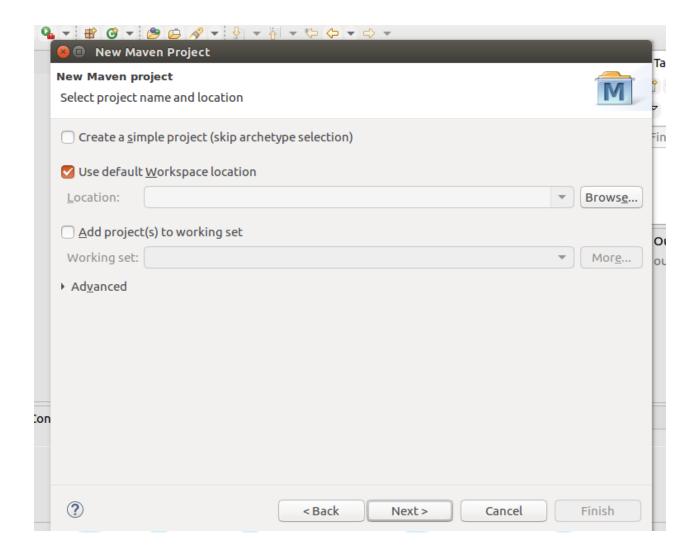


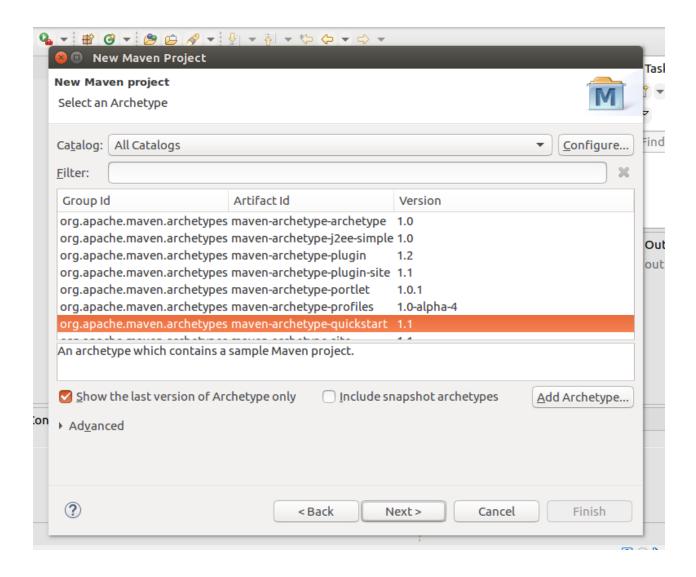
• Click on Project.











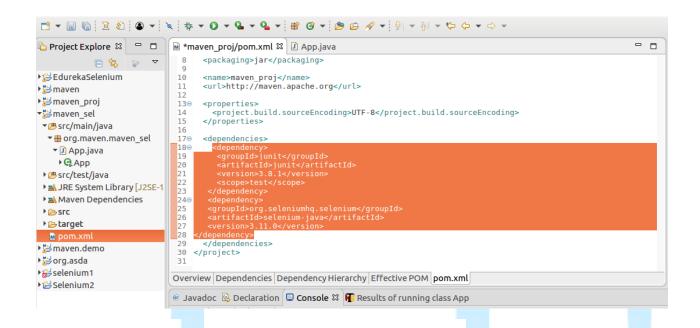
After creating a Maven project copy the below codes into App.java class of that project.

```
ြဲ Project Explore 🛭 🗀 🗖
                                                                                                                                                                                                                П
                                             maven_proj/pom.xml

☑ App.java 
☒

                                                    package org.maven.maven sel;
                   ▶ SEdureka Selenium
                                                 4⊕ import java.util.concurrent.TimeUnit:
▶ ‱maven
                                               public class App
12 {
▶‱maven_proj
▼
<a href="#">
<a href="#">
<a href="#">maven_sel</a>
</a>
                                               136
                                                           @Test
 ▼#src/main/java
  ▼ # org.maven.maven sel
                                                           public static void main(String[] args) {
                                               16
17
     ▶ 🥝 App
                                                                        System.setProperty("webdriver.chrome.driver","/home/edureka/chromedriver");
ChromeOptions chromeOptions = new ChromeOptions();
WebDriver driver = new ChromeOriver(chromeOptions);
                                               18
                                               19
20
 ▶ # src/test/java
 ▶ ➡ JRE System Library [J2SE-1
 ▶ Maven Dependencies
                                               22
23
24
25
26
27
                                                                        System.out.println("Hi, Welcome to Edureka's YouTube Live session on Selenium WebDriver"
 ▶ 🇁 src
 ▶ ⊜ target
                                                                        driver.get("http://localhost:9090/addressbook");
   M pom.xml
                                                                       driver.manage().timeouts().implicitlyWait(3, TimeUnit.SECONDS);
driver.findElement(By.className("v-button")).click();
driver.findElement(By.id("gwt-uid-5")).sendKeys("Edureka");
driver.findElement(By.id("gwt-uid-7")).sendKeys("DevOps");
driver.findElement(By.id("gwt-uid-9")).sendKeys("9834562709");
▶ ∰ maven.demo
▶‱org.asda
                                               30
31
▶<mark>∰</mark> selenium1
```

Copy the dependency from below to your pom.xml file



Now save the pom.xml file, and check your app.java file.

```
🗓 *App.java 🏻 📓 maven project/pom.xml
                                                                                1⊖ import static org.testng.Assert.assertEquals;
    import java.util.concurrent.TimeUnit;
  3
  4 import org.openqa.selenium.By;
  5 import org.openga.selenium.WebDriver;
  6 import org.openqa.selenium.chrome.ChromeDriver;
  7
    import org.testng.annotations.Test;
  8
    import org.openqa.selenium.chrome.ChromeOptions;
  9
    public class App
 10
 11 {
 12⊖@Test
 13
 14 public static void main(String[] args) {
 15
 16
    System.setProperty("webdriver.chrome.driver", "/usr/local/share/chromedriver"
 17
 18 ChromeOptions chromeOptions = new ChromeOptions();
 19 //chromeOptions.addArguments("--headless");
 20 WebDriver driver = new ChromeDriver(chromeOptions);
 21
 22 System.out.println("Hi, Welcome to Edureka's YouTube Live session on Selenium
🔣 Markers 🔲 Properties 🚜 Servers 🗯 Data Source Explorer 📔 Snippets 📮 Console 🛭
```

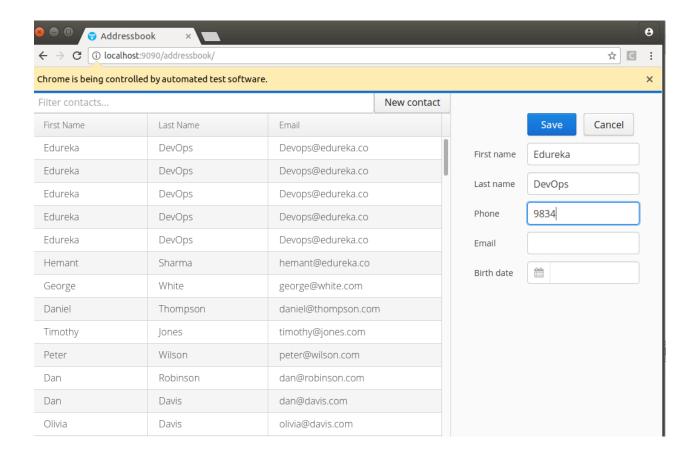
Click on the warning and follow the suggestion to add the recommended package.

```
_ _
E Outline
 1⊖ import static org.testng.Assert.assertEquals;
     # Add package declaration 'maven.org.maven_p
                                                  package maven.org.maven_project;
     Move 'App.java' to the default package
                                                   mport static org.testng.Assert.assertEquals;
  5
                                                   mport java.util.concurrent.TimeUnit;
  6
  8
  9
 10
 11
 12⊝
 13
 14
 15
 16
 17
    System. Setrioperty ( webuilver.comome.uriv
 18 ChromeOptions chromeOptions = new ChromeOptions();
19 //chromeOptions.addArguments("--headless");
 20 WebDriver driver = new ChromeDriver(chromeOptions);
 21
 22 System.out.println("Hi, Welcome to Edureka's YouTube Live session on Selenium
```

• After following the suggestion your package name will be added on the first line of your code file.

```
П
 package maven.org.maven_project;
 2@ import static org.testng.Assert.assertEquals;
 3 import java.util.concurrent.TimeUnit;
 5 import org.openqa.selenium.By;
 6 import org.openqa.selenium.WebDriver;
 7 import org.openga.selenium.chrome.ChromeDriver;
 8 import org.testng.annotations.Test;
 9 import org.openqa.selenium.chrome.ChromeOptions;
 10
 11
   public class App
 12
 13⊝@Test
 14
 15 public static void main(String[] args) {
 16
 17
 18 System.setProperty("webdriver.chrome.driver", "/usr/local/share/chromedriver"
 19 ChromeOptions chromeOptions = new ChromeOptions();
    //chromeOptions.addArguments("--headless");
 20
 21
    WebDriver driver = new ChromeDriver(chromeOptions);
 22
    System.out.println("Hi. Welcome to Edureka's YouTube Live session on Selenium
```

- Click on run and it will successfully run your web app on tomcat sever at the address localhost:8090/addressbook/
- You must have chrome and chrome driver installed in your VM.



Below is the code for writing the test case:

```
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openga.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
import org.openga.selenium.chrome.ChromeOptions;
public class App
  @Test
  public static void main(String[] args) {
       System.setProperty("webdriver.chrome.driver","/home/edureka/chromedriver");
       ChromeOptions chromeOptions = new ChromeOptions();
       WebDriver driver = new ChromeDriver(chromeOptions);
       System.out.println("Hi, Welcome to Edureka's YouTube Live session on Selenium
WebDriver");
       driver.get("http://localhost:8090/addressbook");
       driver.manage().timeouts().implicitlyWait(3, TimeUnit.SECONDS);
       driver.findElement(By.className("v-button")).click();
       driver.findElement(By.id("gwt-uid-5")).sendKeys("Edureka");
       driver.findElement(By.id("gwt-uid-7")).sendKeys("DevOps");
       driver.findElement(By.id("gwt-uid-9")).sendKeys("9834562709");
       driver.findElement(By.id("gwt-uid-11")).sendKeys("Devops@edureka.co");
       driver.findElement(By.id("gwt-uid-13")).sendKeys("01/01/2015");
       driver.findElement(By.className("v-button-primary")).click();
       //Thread.sleep(5000);
       driver.quit();
  }
```

Below are the dependencies that were added in the pom.xml file:

```
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>3.8.1</version>
  <scope>test</scope>
 </dependency>
 <dependency>
 <groupId>org.seleniumhq.selenium/groupId>
 <artifactId>selenium-java</artifactId>
 <version>3.11.0</version>
</dependency>
<dependency>
 <groupId>org.testng</groupId>
 <artifactId>testng</artifactId>
 <version>6.14.3</version>
</dependency>
```