Module-5: Continuous Testing Using Selenium

Demo Document

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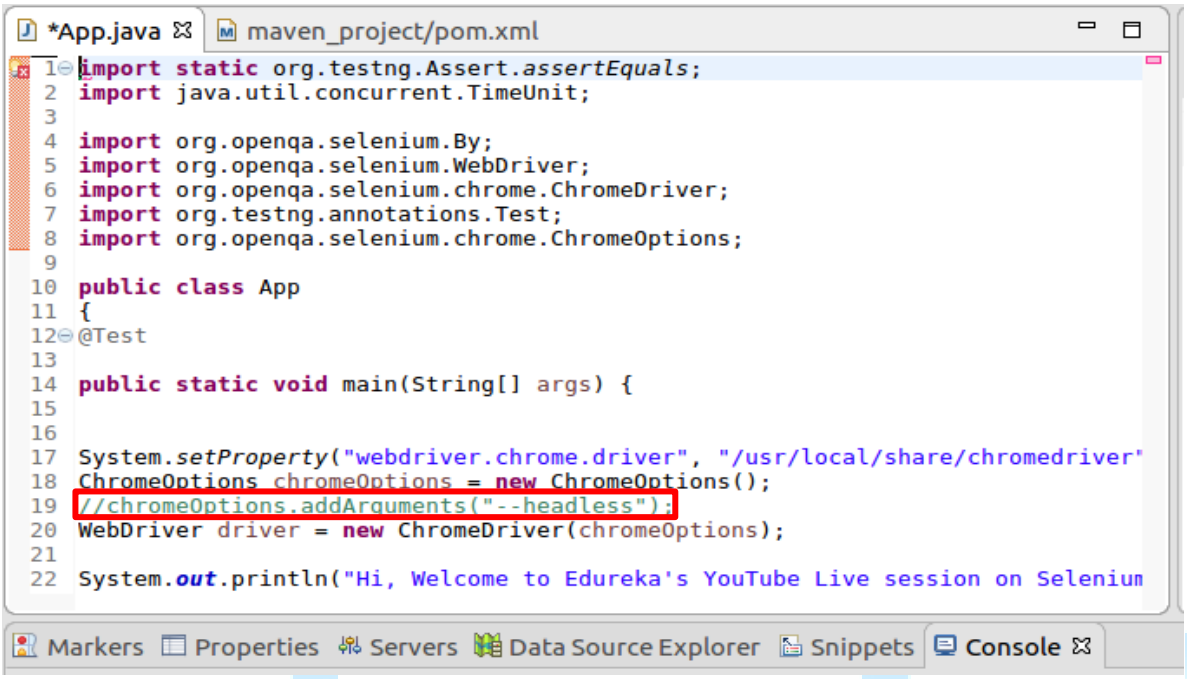
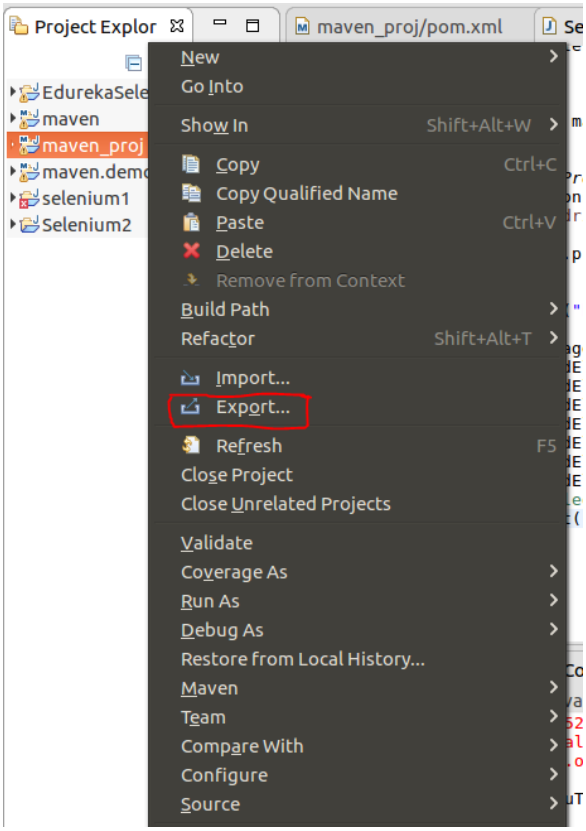
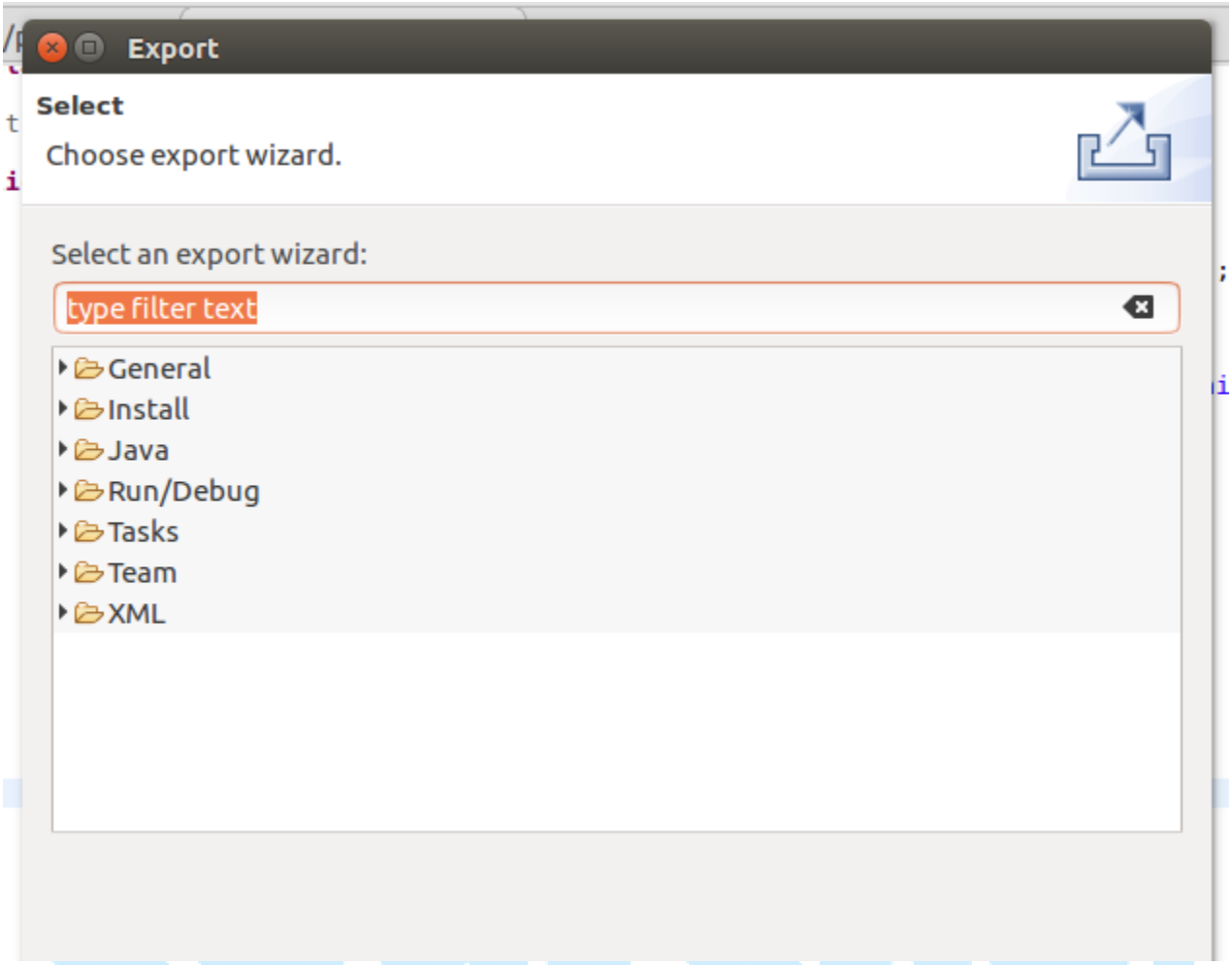
Demo – 2: Integrate Selenium with Jenkins

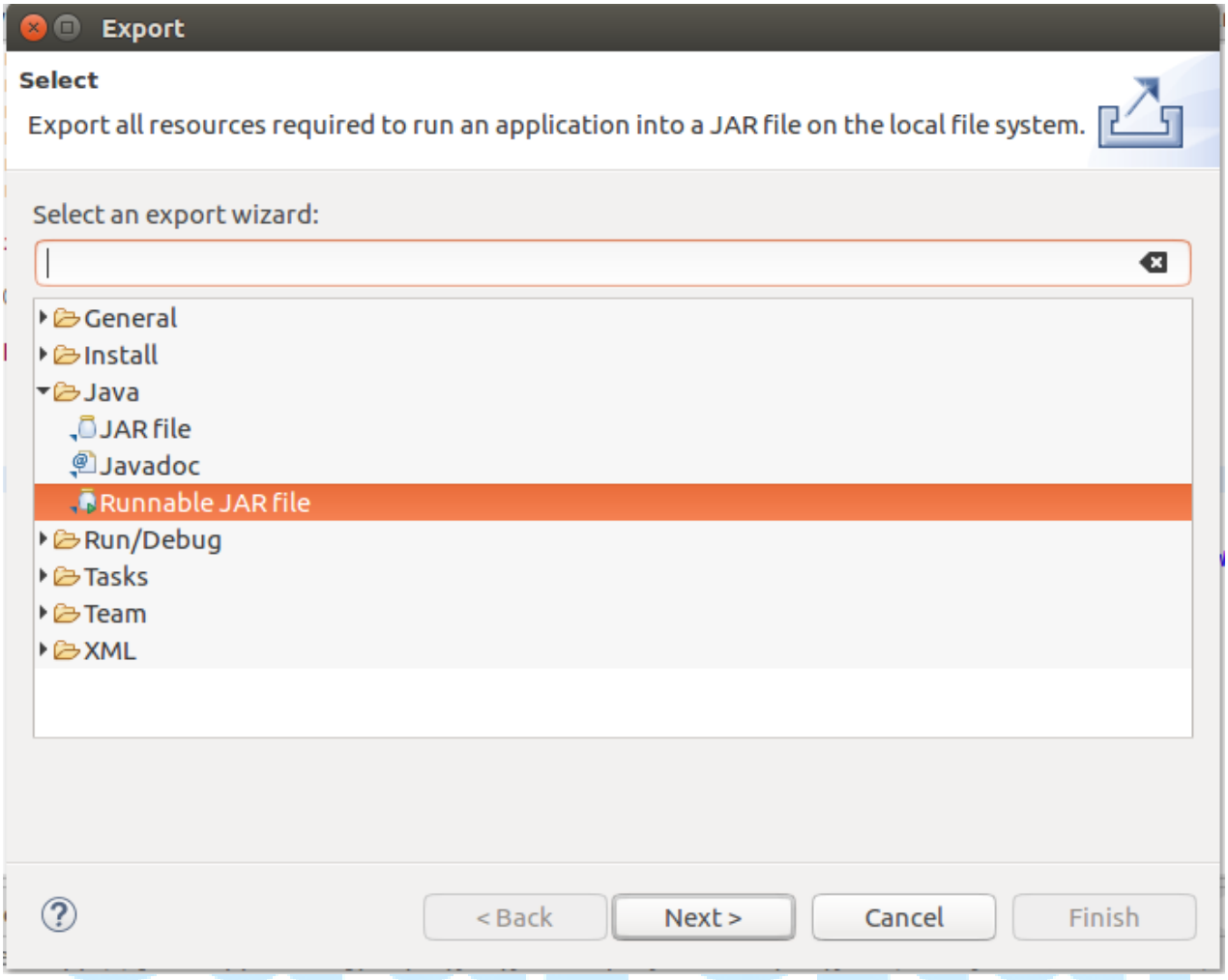
Step 1: Uncomment the highlighted line of code.

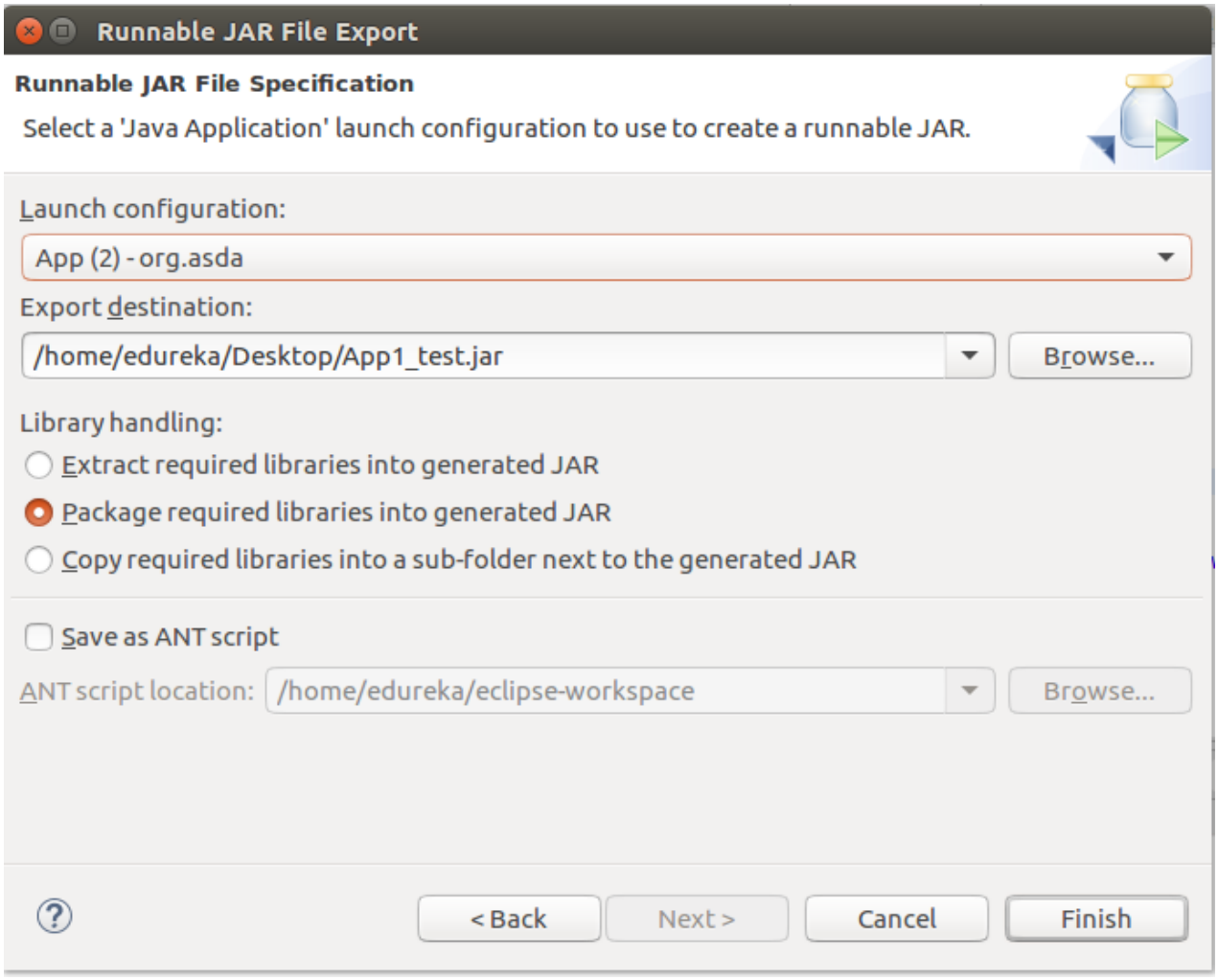


Step 2: Now export your project as a Jar file.

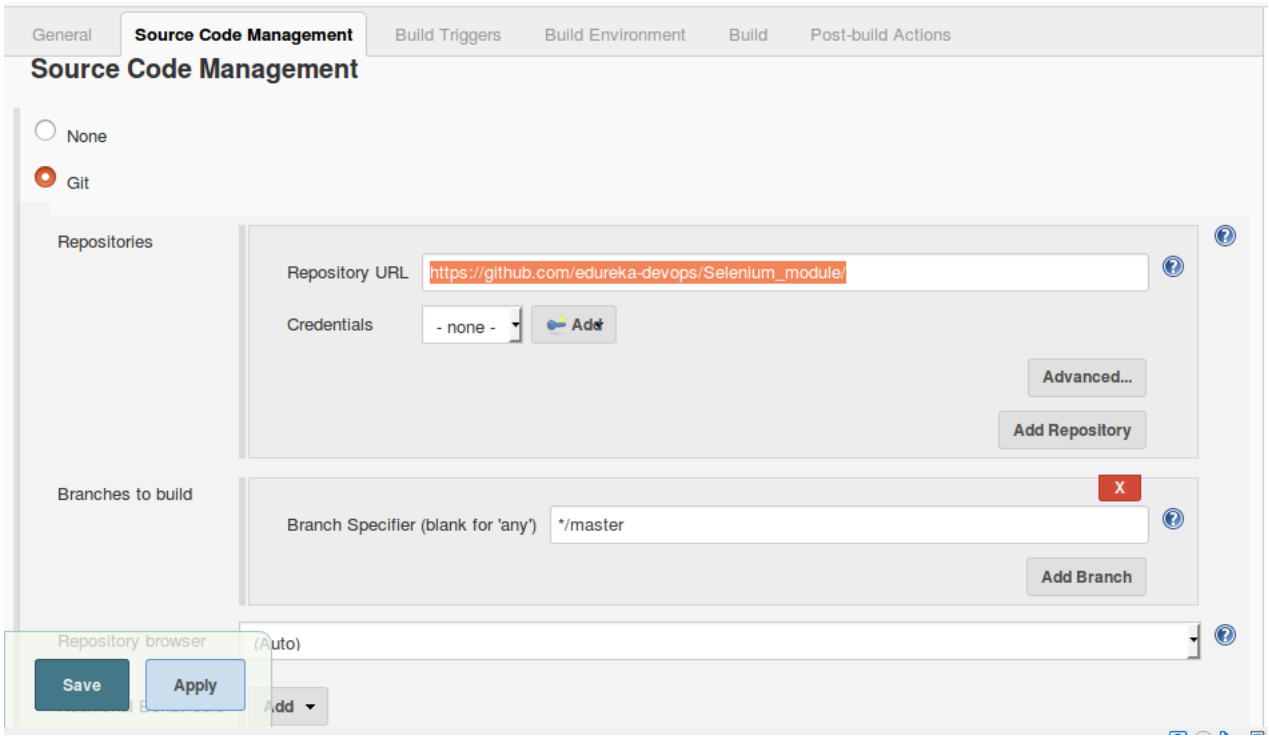


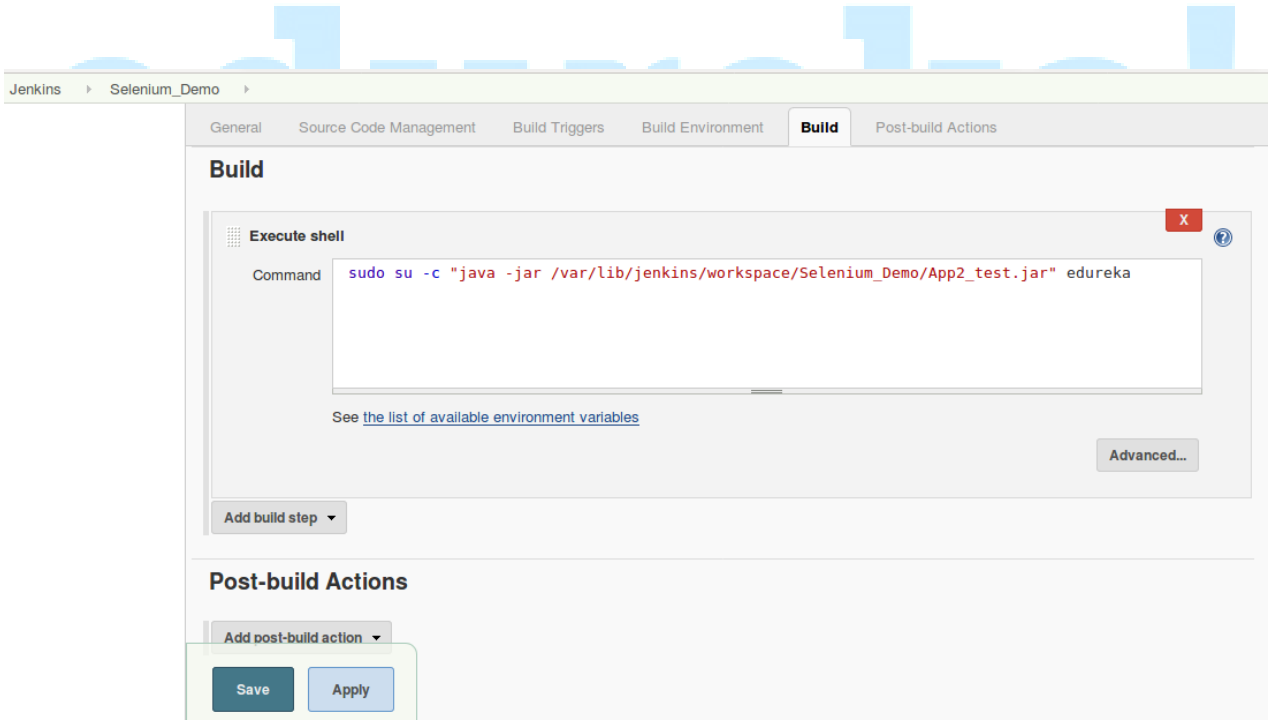

Export
Select
Choose export wizard.
Select an export wizard:
type filter text
General
Install
Java
Run/Debug
Tasks
Team
XML

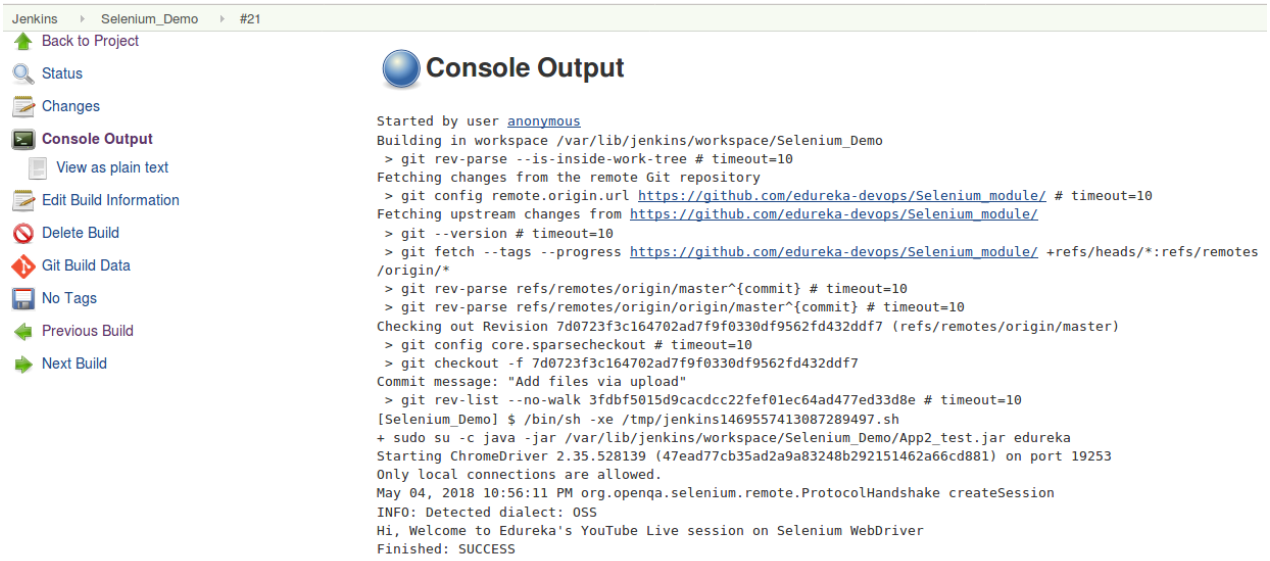

Export
Select
Export all resources required to run an application into a JAR file on the local file system.
Select an export wizard:
General
Install
Java
JAR file
Javadoc
Runnable JAR file
Run/Debug
Tasks
Team
XML
< Back
Next >
Cancel
Finish



- .jar file is uploaded over git repository to build it through Jenkins by providing the Scm path
- It will be running in the background in headless mode.


General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Source Code Management
None
Git
Repositories
Repository URL
https://github.com/edureka-devops/Selenium_module/
Credentials
- none -
Add
Advanced...
Add Repository
Branches to build
Branch Specifier (blank for 'any')
*/master
Add Branch
Repository browser
(Auto)
Add
Save
Apply


Jenkins
Selenium_Demo
General
Source Code Management
Build Triggers
Build Environment
Build
Post-build Actions
Build
Execute shell
Command
sudo su -c "java -jar /var/lib/jenkins/workspace/Selenium_Demo/App2_test.jar" edureka
See the list of available environment variables
Advanced...
Add build step
Post-build Actions
Add post-build action
Save
Apply



Below is the SCM path:

https://github.com/edureka-devops/Selenium_module/

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Below is the code of .jar file that has been uploaded over Git repository:

```
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;
import org.openqa.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>
```

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