DESCRIPTION : To automate a real-world web application
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Step 1:Create a Maven Project namely AutomateFlipkart.

Step 2:Add the jar file and dependencies to the project.

Step 3:Download the googleChromeDriver and firefoxDriver which were used

in the project.

Step 4:Create a testng class called SearchProduct.java in which the code is written as given below:-

```
package com.simplilearn.demo;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Test;

public class SearchProduct {
  @Test
  public void Products() {

        try {

            System.setProperty("webdriver.chrome.driver", "D:\\Selenium\\
chromedriver_win32 (2)\\chromedriver.exe");
            WebDriver driver= new ChromeDriver();
            driver.get("https://www.flipkart.com/");

            driver.manage().timeouts().pageLoadTimeout(20, TimeUnit.SECONDS);

            driver.findElement(By.cssSelector("body > div._2Sn47c > div > div >
div > div > div._36HLxm.col.col-3-5 > div > form > div:nth-child(1) >
input")).sendKeys("7291076677");

            driver.findElement(By.cssSelector("body > div._2Sn47c > div > div >
div > div > div._36HLxm.col.col-3-5 > div > form > div:nth-child(2) >
input")).sendKeys("Ankit@1108");

            driver.findElement(By.cssSelector("body > div._2Sn47c > div > div >
div > div > div._36HLxm.col.col-3-5 > div > form > div._1D1L_j >
button")).submit();



                        WebElement product= driver.findElement(By.name("q"));
                        product.sendKeys("Iphone13");

                        WebElement
button=driver.findElement(By.className("L0Z3Pu"));
                        button.submit();
```

```
                        try {
                              Thread.sleep(5000);
                        } catch (InterruptedException e) {
                              // TODO Auto-generated catch block
                              e.printStackTrace();
                        }

                        WebElement
element=driver.findElement(By.xpath("//*[@id=\"container\"]/div/div[3]/div[1]/
div[2]/div[25]/div/div/div/a/div[2]/div[1]/div[1]"));


((JavascriptExecutor)driver).executeScript("arguments[0].scrollIntoView();",elem
ent);

                        System.out.println(element.getText());
        }
        catch(Exception e) {
              e.printStackTrace();
        }
  }
}
```

Step 5:Create a class called TestUsingFirefox.java in which the code is as given below:-

```
package com.simplilearn.demo;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.testng.annotations.Test;

public class TestUsingFirefox {

  @Test
  public void Product() {

        try {

            System.setProperty("webdriver.gecko.driver", "D:\\Selenium\\
geckodriver.exe");
            WebDriver driver= new FirefoxDriver();
            driver.get("https://www.flipkart.com/");

            driver.manage().timeouts().pageLoadTimeout(20, TimeUnit.SECONDS);

            driver.findElement(By.cssSelector("body > div._2Sn47c > div > div >
div > div > div._36HLxm.col.col-3-5 > div > form > div:nth-child(1) >
input")).sendKeys("7291076677");

            driver.findElement(By.cssSelector("body > div._2Sn47c > div > div >
div > div > div._36HLxm.col.col-3-5 > div > form > div:nth-child(2) >
input")).sendKeys("Ankit@1108");

            driver.findElement(By.cssSelector("body > div._2Sn47c > div > div >
div > div > div._36HLxm.col.col-3-5 > div > form > div._1D1L_j >
```

```
button")).submit();



                        WebElement product= driver.findElement(By.name("q"));
                        product.sendKeys("Iphone13");

                        WebElement
button=driver.findElement(By.className("L0Z3Pu"));
                        button.submit();

                        try {
                              Thread.sleep(5000);
                        } catch (InterruptedException e) {
                              // TODO Auto-generated catch block
                              e.printStackTrace();
                        }

                        WebElement
element=driver.findElement(By.xpath("//*[@id=\"container\"]/div/div[3]/div[1]/
div[2]/div[25]/div/div/div/a/div[2]/div[1]/div[1]"));


((JavascriptExecutor)driver).executeScript("arguments[0].scrollIntoView();",elem
ent);

                        System.out.println(element.getText());
        }
        catch(Exception e) {
              e.printStackTrace();
        }
  }
}
--------------------------------------------------------------------------
```

Step 6:The pom.xml file for the created project is :-

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.simplilearn.demo</groupId>
  <artifactId>AutomateFlipkart</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>jar</packaging>

  <name>AutomateFlipkart</name>
  <url>http://maven.apache.org</url>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  </properties>

  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>3.8.1</version>
      <scope>test</scope>
    </dependency>
```

```
    <dependency>
                <groupId>org.testng</groupId>
                <artifactId>testng</artifactId>
                <version>7.6.1</version>
                <scope>test</scope>
          </dependency>

          <!-- https://mvnrepository.com/artifact/org.uncommons/reportng -->
          <dependency>
                <groupId>org.uncommons</groupId>
                <artifactId>reportng</artifactId>
                <version>1.1.4</version>
                <scope>test</scope>
          </dependency>
          <dependency>
                <groupId>com.google.inject</groupId>
                <artifactId>guice</artifactId>
                <version>4.1.0</version>
                <classifier>no_aop</classifier>
                <scope>provided</scope>
          </dependency>
          <!-- https://mvnrepository.com/artifact/velocity/velocity-dep -->
          <dependency>
                <groupId>velocity</groupId>
                <artifactId>velocity-dep</artifactId>
                <version>1.4</version>
          </dependency>
  </dependencies>
</project>
```

Step 7:By right clicking on the project, there is an option to convert the project into testng which is used to create testng.xml which can run all the test classes simultaneously.
