

```
package verificationUsingTestNG;
```

```
import org.testng.annotations.Test;
```

```
import org.testng.asserts.SoftAssert;
```

```
public class SoftAssertUse {
```

```
    @Test
```

```
    public void myMethod()
```

```
    {
```

```
        String a="abc";
```

```
        String b="abc";
```

```
        //to use soft assert we need to create object of SoftAssert class
```

```
        SoftAssert soft= new SoftAssert();// created object of soft assert
```

```
        soft.assertNotEquals(a, b," Both are equal TC is Failed");
```

```
        soft.assertNull(b,"Value is not null, TC is failed");
```

```
        soft.assertAll();
```

```
    }
```

```
    @Test
```

```
    public void testing()
```

```
    {
```

```
        boolean a=true;
```

```
        boolean b=false;
```

```
        SoftAssert s= new SoftAssert();
```

```
        s.assertTrue(b,"Value is False TC is failed");
```

```
        s.assertFalse(a,"Value is True TC is failed");
```

```
        s.assertAll();
```

```
    }
```

```
}
```

```
package crossBrowsertest;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```

import org.openqa.selenium.firefox.FirefoxDriver;
import org.testng.annotations.Test;

public class FirefoxTest {
    @Test
    public void myMethod()
    {
        System.setProperty("webdriver.gecko.driver", "D:\\Velocity\\Java Class\\26th March
B\\Selenium\\geckodriver.exe");

        //WebDriver driver= new ChromeDriver();

        WebDriver driver= new FirefoxDriver();
        driver.manage().window().maximize();
        driver.get("https://vctcpune.com/selenium/practice.html");

        // Thread.sleep(1000);

    }
}

```

```
package crossBrowsertest;
```

```

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.testng.annotations.Parameters;
import org.testng.annotations.Test;

public class CrossBrowserTesting {
    @Parameters({"browserName"})
    @Test
    public void myMethod(String name) throws InterruptedException
    {
        WebDriver driver = null;
    }
}

```

```

        if(name.equals("firefox"))
        {
            System.setProperty("webdriver.gecko.driver", "D:\\Velocity\\Java Class\\26th March
B\\Selenium\\geckodriver.exe");
            driver= new FirefoxDriver();
        }
        else if (name.equals("chrome"))

        {
            System.setProperty("webdriver.chrome.driver", "D:\\Velocity\\Java Class\\26th March
B\\Selenium\\chromedriver.exe");
            driver= new ChromeDriver();

        }

        driver.manage().window().maximize();
        driver.get("https://vctcpune.com/selenium/practice.html");
        Thread.sleep(2000);
        driver.close();
    }
}

```

Single test for single browser, we need to change browser Name in value as firefox or chrome

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="Suite">
    <test thread-count="5" name="Test">
        <parameter name="browserName" value="chrome"/>
        <classes>
            <class name="crossBrowsertest.CrossBrowserTesting"/>
        </classes>
    </test> <!-- Test -->
</suite> <!-- Suite -->

```

Multiple tests added for different browser, this will run serially

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="Suite">
  <test thread-count="5" name="FirefoxTest">
    <parameter name="browserName" value="firefox"/>
    <classes>
      <class name="crossBrowsertest.CrossBrowserTesting"/>
    </classes>
  </test> <!-- Test -->
  <test thread-count="5" name="ChromeTest">
    <parameter name="browserName" value="chrome"/>
    <classes>
      <class name="crossBrowsertest.CrossBrowserTesting"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

Multiple tests added for different browser, this will run parallely

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="Suite" parallel="tests">
  <test name="FirefoxTest">
    <parameter name="browserName" value="firefox"/>
    <classes>
      <class name="crossBrowsertest.CrossBrowserTesting"/>
    </classes>
  </test> <!-- Test -->
  <test name="ChromeTest">
    <parameter name="browserName" value="chrome"/>
    <classes>
      <class name="crossBrowsertest.CrossBrowserTesting"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```