

### Pract 3

St client selenium-java-2.47.1 ADD librarys selenium-java.2.47.1.jar ,  
selenium-java.2.47.1-srscs.jar + all librarys in libs folder

#### code

```
package pk3;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

public class p3 {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int a = 10, b = 20;

        System.out.println("Hi...");

        System.out.println(a+b);

        System.out.println("Selenium demo ...");

        WebDriver driver = new FirefoxDriver();

        driver.get("https://www.facebook.com/");

        driver.manage().window().maximize();

        driver.quit();

    }

}
```

### Prac 4

St junit junit-4.10.jar → junit-4.10

#### TestJUnit.java

```
package p4;
```

```

import org.junit.Test;

import static org.junit.Assert.assertEquals;

public class TestJUnit {

    @Test

    public void testSetup(){

        String str = "I am Done with Junit Setup";

        assertEquals("I am Done with Junit Setup",str);

    }

}

```

### **TestRunner.java**

```

package p4;

import org.junit.runner.JUnitCore;
import org.junit.runner.Result;
import org.junit.runner.notification.Failure;
import p4.TestJUnit;

public class TestRunner {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        Result result = JUnitCore.runClasses(TestJUnit.class);

        for(Failure failure:result.getFailures()){

            System.out.println(failure.toString());

        }

        System.out.println("Result==" +result.wasSuccessful());

    }

}

```

### **Pract 5**

**St testNG eclipse**

**St jlx jexcelapi jxl jar**

Right click on java project   properties   Libraries   Add library   TestNG

code

```
import java.io.FileInputStream;
import java.io.FileOutputStream;
import jxl.Sheet;
import jxl.Workbook;
import jxl.write.Label;
import jxl.write.WritableSheet;
import jxl.write.WritableWorkbook;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class c5 {
    @BeforeClass
    public void f1()
    {}
    @Test
    public void testImportexport1() throws Exception {
        FileInputStream fi = new
FileInputStream("C:\\st\\sampledata.xls");
        Workbook w = Workbook.getWorkbook(fi);
        Sheet s = w.getSheet(0);
        String a[][] = new String[s.getRows()][s.getColumns()];
        FileOutputStream fo = new
FileOutputStream("C:\\st\\result.xls");
        WritableWorkbook ww = Workbook.createWorkbook(fo);
        WritableSheet ws = ww.createSheet("result1", 0);
        for (int i = 0; i<s.getRows(); i++)
        {
            for (int j = 0; j <s.getColumns(); j++)
            {
                a[i][j]=s.getCell(j,i).getContents();
                Label l2=new Label(j,i,a[i][j]);
                ws.addCell(l2);
                Label l1=new Label(6,0,"Results");
                ws.addCell(l1);
            }
        }
        for (int i = 1; i<s.getRows(); i++)
        {
            for (int j= 2; j <s.getColumns(); j++)
            {
                a[i][j]=s.getCell(j,i).getContents();
                int x=Integer.parseInt(a[i][j]);
                if(x>35)
                {
                    Label l1=new Label(6,i,"Pass");
                    ws.addCell(l1);
                }
                else
                {
                    Label l1= new Label(6,i,"Fail");
                    ws.addCell(l1);
                    break;
                }
            }
        }
    }
}
```

```

    }
    ww.b.write();
    ww.b.close();
}
}

```

## Prac 6

St testNG eclipse

St jlx jexcelapi jxl jar

Right click on java project → properties → Libraries → Add library → TestNG

```

import java.io.FileInputStream;
import java.io.FileOutputStream;
import jxl.Sheet;
import jxl.Workbook;
import jxl.write.Label;
import jxl.write.WritableSheet;
import jxl.write.WritableWorkbook;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class c6 {
    @BeforeClass
    public void f1(){}

    @Test
    public void testImportexport1()throws Exception
    {
        FileInputStream fi=new FileInputStream("C:\\st\\sampledata.xls");
        Workbook w=Workbook.getWorkbook(fi);
        Sheet s=w.getSheet(0);
        String a[][]=new String[s.getRows()][s.getColumns()];
        FileOutputStream fo=new FileOutputStream("C:\\st\\result.xls");
        WritableWorkbook ww.b=Workbook.createWorkbook(fo);
    }
}

```

```

WritableSheet ws=wwb.createSheet("result1",0);

int c=0;
for(int i=0;i<s.getRows();i++)
{
    for(int j=0;j<s.getColumns();j++)
    {
        if(i>=1)
        {
            String b=new String();
            b=s.getCell(3,i).getContents();
            int x=Integer.parseInt(b);
            if(x<60)
            {
                c++;
                break;
            }
        }
        a[i][j]=s.getCell(j,i).getContents();
        Label l2=new Label(j,i-c,a[i][j]);
        ws.addCell(l2);
    }
}

wwb.write();
wwb.close();
}
}

```

## Prac 7

St client selenium-java-2.47.1 ADD librarys selenium-java.2.47.1.jar ,  
selenium-java.2.47.1-srcs.jar + all librarys in libs folder

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;

public class C7 {

    /**
     * @param args
     */
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        WebDriver driver=new FirefoxDriver();
        driver.get("http://www.google.com");
        java.util.List<WebElement> links=driver.findElements(By.tagName("a"));
        System.out.println("Total Links are"+links.size());

    }

}

```

prac 8

St client selenium-java-2.47.1 ADD librarys selenium-java.2.47.1.jar ,  
selenium-java.2.47.1-srsc.jar + all librarys in libs folder

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.support.ui.Select;

public class C8 {

```

```

/**
 * @param args
 */
public static void main(String[] args) {

    // TODO Auto-generated method stub

    WebDriver driver=new FirefoxDriver();

    driver.get("https://www.facebook.com/reg/");

    Select se = new Select(driver.findElement(By.id("month")));

    java.util.List<WebElement> mylist=se.getOptions();

    mylist.size();

    System.out.println("Number Of Items="+mylist.size());

}

}

```

## Prac 9

St client selenium-java-2.47.1 ADD librarys selenium-java.2.47.1.jar ,  
selenium-java.2.47.1-srsc.jar + all librarys in libs folder

```

package pk9;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;
public class c9 {

    /**
     * @param args
     */
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        WebDriver driver=new FirefoxDriver();
        driver.get("C:\\st\\Combo.html");
        int radiochk=0,checkboxchk=0;
        int radiounchk=0,checkboxunchk=0;
        java.util.List <WebElement>
        els=driver.findElements(By.xpath("//input[@type='radio']"));
        for (WebElement el:els)

```

```

        {
            if (el.isSelected())
            {
                radiochk++;
            }
            else
            {
                radiounchk++;
            }
        }
        System.out.println("Radio Buttons");
        System.out.println("Total Checked items"+ radiochk);
        System.out.println("Total unChecked items"+ radiounchk);

java.util.List<WebElement>ebox=driver.findElements(By.xpath("//input[@type='checkbox']"));
for (WebElement el:ebox)
{
    if (el.isSelected())
    {
        checkboxchk++;
    }
    else
    {
        checkboxunchk++;
    }
}
System.out.println("Checkboxes");
System.out.println("Total Checked items"+ checkboxchk);
System.out.println("Total unChecked items"+ checkboxunchk);

    }

}

```

## Combo.html

```

<!DOCTYPE html>

<html>

<body>

<form>

<h2>Text Input</h2>

First Name:</br>

<input type="text" name="Firstname">

</br>

Last Name:</br>

<input type="text" name="lastname">

```



</br>

<h2>Select Gender</h2>

<input type="radio" name="gender" value="male" checked>Male</br>

<input type="radio" name="gender" value="female">Female</br>

<input type="radio" name="gender" value="others">Others</br>

<h2>Select Languages Known</h2>

<input type="checkbox" name="lang" value="Java" checked="checked">Java</br>

<input type="checkbox" name="lang" value="Php">Php</br>

<input type="checkbox" name="lang" value="ASP.net">.Net</br>

<input type="checkbox" name="lang" value="Python" checked="checked">Python</br>

<input type="submit" value="submit"></br>

</form>

</body>

</html>