Practical 3

P3:

```
package p3;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
public class c3 {
	public static void main(String[] args) {
		// TODO Auto-generated method stub
		int a = 10;
		int b= 20;
		System.out.println("Hii ...  ");
		System.out.println(a+b);
		System.out.println("Hii ...  ");
		WebDriver driver = new FirefoxDriver();
		driver.get("https://www.google.com");
		driver.manage().window().maximize();
	}

}
```

Practical 4

TestJUnit:

```
package p44;
import static org.junit.Assert.assertEquals;
import org.junit.Test;
public class TestJUnit {
	@Test
	public void testSetup(){
		String str = "I am Done with Junit Setup";
		assertEquals("I am Done with Junit Setup",str);
	}
}
```

TestRunner:

```
package p44;
import org.junit.runner.JUnitCore;
import org.junit.runner.Result;
import org.junit.runner.notification.Failure;
public class TestRunnnner {
	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());
	}
}
```

Practical no: 5

(*include TestNG from the libraries and jxl jar file)

Countstuds:

```
package prac5;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
import jxl.*;

import jxl.write.*;
import java.io.*;

public class countstuds {
	@BeforeClass
	public void f1()
	{
	}
	@Test
		public void testImportexport1() throws Exception {
		FileInputStream fi = new FileInputStream("E:\\STQA\\st\\excel\\sampledata.xls");
		Workbook w = Workbook.getWorkbook(fi);
		Sheet s = w.getSheet(0);
		String a[][] = new String[s.getRows()][s.getColumns()];
		FileOutputStream fo = new FileOutputStream("E:\\STQA\\st\\excel\\result.xls");
		WritableWorkbook wwb = Workbook.createWorkbook(fo);
		WritableSheet ws = wwb.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;
                    }
                }
            }
            wwb.write();
            wwb.close();
            }


}
```

Practical No.06

(*include TestNG from the libraries and jxl jar file)

```
package prac6;

import java.io.FileInputStream;
import java.io.FileOutputStream;

import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

import jxl.Sheet;
import jxl.Workbook;
import jxl.write.Label;
import jxl.write.WritableSheet;
import jxl.write.WritableWorkbook;

public class c6 {
	@BeforeClass
	public void f1(){}
	@Test
	public void testImportexport1()throws Exception
	{
	FileInputStream fi=new
FileInputStream("E:\\STQA\\st\\excel\\sampledata.xls");
	Workbook w=Workbook.getWorkbook(fi);
	Sheet s=w.getSheet(0);
	String a[][]=new String[s.getRows()][s.getColumns()];
	FileOutputStream fo=new
FileOutputStream("E:\\STQA\\st\\excel\\result.xls");
	WritableWorkbook wwb=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();
	}
	}
```

Practical No.07

```
(*include selenium jar files)
package prac7;
import java.awt.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;
public class c7 {
	public static void main(String[] args){
		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());
	}

}
```

Practical 8

(*include selenium jar files)

```
package prac8;


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 {

	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());

	}

}
```

Practical 9
(*include selenium jar files)

```
package p9;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;
public class c9 {
	public static void main(String[] args) {
		// TODO Auto-generated method stub
		WebDriver driver=new FirefoxDriver();
		driver.get("E:\\STQA\\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);
		}

}
```

Practical 10

Step 1: Right click on the "Test Plan" and add a new thread group: Add -> Threads (Users) -
> Thread Group

Step 2: Thread Group Property Window will be opened, Enter the following Properties.

Step 3: Right Click on Thread Group then Add□Config Element□HTTP Request Defaults

Step 4: Enter www.google.com in the path section, and Port Number as 80.

Step 5: Right Click on Thread Group □Add□Sampler□HTTP Request

Step 6: Type calendar in the Path Section.

Step 7: Right Click on Thread Group□Add□Listener □Graph Results

Step 8: Save the Test before Running.

Step 9: Run the Test.