**package** Tybsc;

**public** **class** Operations {

**int** add(**int** a , **int** b )

{

**return** (a + b);

}

String Concat(String s1 , String s2 )

{

**return** (s1 + s2);

}

}

package Tybsc;

import static org.junit.Assert.\*;

import org.junit.Test;

public class OperationsTest {

@Test

public void test() {

Operations obj=new Operations();

int r= obj.add(20,30);

assertEquals(50, r);

String result=obj.Concat("Modaser", "Sadat");

assertEquals("ModaserSadat", result);

}}

**package** Tybsc;

**public** **class** Rectangle {

**int** l,b;

**int** getlength()

{

**return**(l);

}

**int** getBreadth()

{

**return**(b);

}

**void** setlength(**int** a)

{

l=a;

}

**void** setBreadth(**int** x)

{

b=x;

}

**int** Calarea()

{

**return**(l \* b);

}

}

**package** Tybsc;

**public** **class** Cube {

**int** a;

**int** getedge()

{

**return**(a);

}

**void** setedge(**int** b)

{

a=b;

}

**int** CubeVolume()

{

**return**(a\*a\*a);

}

**int** CubeArea()

{

**return**(6\*a\*a);

}

}

package Tybsc;

import static org.junit.Assert.\*;

import org.junit.Test;

public class CubeTest {

@Test

public void test() {

Cube1 obj=new Cube1();

obj.setedge(4);

int v=obj.CubeVolume();

int a=obj.CubeArea();

assertEquals(64, v);

assertEquals(96, a);}}

**selenium**

**First create java project🡪then Package🡪then Class**

**Right Click on Project Name🡪Build Path🡪Add External Archives🡪Select all jar files in Selenium Folder and import it.**

**package** selinum;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

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

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

**import** org.openqa.selenium.support.ui.Select;

**import** org.testng.annotations.Test;

**public** **class** selinum {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

System.*setProperty*("webdriver.chrome.driver", "C:\\selenium\\webdriver\\chromedriver.exe");

// Initialize browser

WebDriver driver=**new** ChromeDriver();

// Open http://www.newtours.demoaut.com/

driver.get("http://www.newtours.demoaut.com/");

driver.findElement(By.*linkText*("REGISTER")).click();

driver.findElement(By.*name*("firstName")).sendKeys("User1");

driver.findElement(By.*name*("lastName")).sendKeys("Surname1");

driver.findElement(By.*name*("phone")).sendKeys("123456789");

driver.findElement(By.*name*("userName")).sendKeys("user1@test.com");

driver.findElement(By.*name*("address1")).sendKeys("Test Address");

driver.findElement(By.*name*("city")).sendKeys("Test City");

driver.findElement(By.*name*("state")).sendKeys("Goa");

driver.findElement(By.*name*("postalCode")).sendKeys("403507");

Select select = **new** Select(driver.findElement(By.*name*("country")));

select.selectByVisibleText("ANGOLA");

driver.findElement(By.*name*("email")).sendKeys("user1@test.com");

driver.findElement(By.*name*("password")).sendKeys("user1");

driver.findElement(By.*name*("confirmPassword")).sendKeys("user1");

driver.findElement(By.*name*("register")).click();

driver.close();

driver.quit();

driver.wait(1000);

//https://www.softwaretestingmentor.com/writing-your-first-test-case-in-selenium-webdriver/

}

}