

EXP NO: 17

WRITE A JAVA PROGRAM TO CONVERT A GIVEN NUMBER OF DAYS IN TERMS OF YEARS, WEEKS & DAYS. THE OUTPUT VALUES SHOULD VERIFY USING WHITE BOX TESTING.

AIM:

```
import static org.junit.Assert.assertTrue;
import java.util.Scanner;
public class Year {
    public static void main(String args[]) {
        int myear, week, day;
        Scanner s = new Scanner(System.in);
        System.out.print("Enter the number of days");
        m = s.nextInt();
        year = m / 365;
        assertTrue(2 == year);
        m = m % 365;
        System.out.println("No. of years", +year);
        week = m / 7;
        m = m % 7;
        System.out.println("No. of weeks", +week);
        day = m;
        System.out.println("No. of days", +day);
    }
}
```

EXP NO: 18

FIND THE FACTORIAL OF N ? THE OUTPUT VALUES SHOULD VERIFY USING WHITE BOX TESTING ?

AIM:-

```
import static org.junit.Assert.assertEquals;
import java.util.Scanner;
class factorial
{
    public static void main(String[] args)
    {
        int i, j, pr = 1;
        try
        {
            Scanner s = new Scanner(System.in);
            System.out.println("Enter the number to find the factorial:");
            int n = s.nextInt();
            if (n < 0)
                System.out.println("The answer is " + pr);
            assertEquals(120 == pr);
        }
        catch (Exception e)
        {
            System.out.println("Invalid");
        }
    }
}
```

EXP NO:19

FIND THE YEAR OF THE GIVEN DATE IS LEAP YEAR USING WHITE BOX TESTING?

AIM:-

To find the year of the given date is leap year or not. The output values should verify using white box testing?

```
import static org.junit.Assert.assertEquals;  
import java.util.Scanner;
```

```
class leapyear
```

```
{ public static void main (String [ ] args)
```

```
{ int i = 0;
```

```
System.out.println ("Enter the date /  
month / year");
```

```
Scanner s = new Scanner (System.in);
```

```
String re = s.next();
```

```
String [ ] ri = re.split (" / ", 3);
```

```
int x = Integer.parseInt (ri [2]);
```

```
assertEquals (x <= 2000);
```

```
if ((x % 4 == 0)
```

```
{
```

```
System.out.println ("It is a leap year");
```

```
}
```

```
else {
```

```
System.out.println ("It is not a  
leap year");
```

```
}
```

```
}
```

EXP NO : 20

WRITE A PROGRAM TO FIND THE SQUARE, CUBE OF THE GIVEN DECIMAL NUMBER. THE OUTPUT VALUES SHOULD VERIFY USING WHITE BOX TESTING.

AIM:- To write a program to find the square, cube of the given decimal number.

import static org.junit.Assert.assertThat;

import java.util.Scanner;

public class Cubesquare {

public static void main (String [] args)

{

try {

Scanner s = new Scanner (System.in);

System.out.println ("Enter a number");

double n = s.nextDouble();

a = n * n;

b = n * n * n;

System.out.println ("The square of number = " + a);

System.out.println ("The cube of number = " + b);

}

catch (Exception e)

{

System.out.println ("Invalid ");

assertThat (expected output == a);

}

EXP NO : 21

WRITE A SELENIUM PROGRAM FOR AUTOMATION
AND OPEN A CHROME BROWSER WITH [google.com](https://www.google.com)

Aim:- To write selenium program to automate the process of opening a chrome browser and navigating to the website "google.com".

PROGRAM:-

Package name ;

```
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
public class CHROME {  
    public static void main (String [] args) {  
        System.out.println ("hai");  
        System.setProperty ("webdriver.chrome.  
                           driver", "c:\\\\chromedriver-win32\\  
                           chromedriver.exe");  
        WebDriver driver = new ChromeDriver();  
        driver.manage ().window ().maximize ();  
        driver.get ("https://www.google.com/");  
    }  
}
```

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WRITE A PROGRAM FOR AUTOMATION AND
OPEN A MOZILLA BROWSER WITH GOOGLE.COM

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

Public class SeleniumExample {
public static void main(String[] args){
System.setProperty("webdriver.gecko.
driver", path/to/geckodriver");
WebDriver driver = new FirefoxDriver();
driver.get("https://www.google.com");
driver.quit();
}

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

EXP NO : 23

SELENIUM PROGRAM TO AUTOMATE LOGIN IN ARMS PORTAL WITH THE HELP OF CHROME BROWSER

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
public class loginpage {
    public static void main(String[] args) {
        System.out.println("hai");
        System.out("Webdriver.chrome.driver"); C://
        selenium //chromedriver-win32\chromedriver.exe);
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://arms.sse.sreekrishna.com");
        WebElement Username = driver.findElement(By.id("txtusername"));
        System.out.println(password);
        WebElement login = driver.findElement(By.name("btnlogin"));
        System.out.println(login);
        Username.sendKeys(".xxxxx");
        password.sendKeys("xxxxxx");
        login.click();
```

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Selenium Program Automate login in Github portal with the help of chrome browser.

```
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class SeleniumExample {
    public static void main (String[] args) {
        System.setProperty ("webdriver.chrome.driver",
                           "path/to/chromedriver");
        WebDriver driver = new ChromeDriver ();
        driver.get ("https://github.com");
        driver.quit ();
    }
}
```

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Write a selenium program to Automate login in swiggy portal with the help of chrome browser.

```
Package proj;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
Public class LoginPage {
public static void main (String[] args) {
    WebDriver driver = new ChromeDriver();
    System.setProperty ("webdriver.chrome.driver",
    "C:/chromedriver.exe");
    driver.get ("https://www.swiggy.com/");
    utm_source = Google-sok & utm_medium =
    CPC & utm_campaign = perf-food.google
    search_sok_norm board.v1.v2.march23
    WebElement textBox = driver.findElement
    (By.className ("x4bke"))
    driver.manage().Window().maximize();
    textBox.click();
```

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