

## convert Number of Days in terms of Years, Weeks and Days

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**Aim :** Java Program to convert a given no of days in terms of years, weeks and Days. The output values should verify using white box testing.

**Program :**

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

public class year {

    public static void main (String args[]) {

        int m, year, week, day;

        Scanner s = new Scanner (System.in);

        System.out.print ("Enter no of days:");
        m = s.nextInt();

        year = m/365;
        assert True (2 == year);
        m = m%365;

        week = m/7;
        m = m%7;

        System.out.println ("No of weeks: "+week);
        day = m;
        System.out.println ("No of days: "+day);
    }
}
```

**output :**

Enter no of days: 800

No of years: 2

No of weeks: 10

No. of days: 0

## Ex No : 18 Factorial of n

**Aim :** Finding the factorial of n and Verify using white box testing

**Program :**

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

```
class factorial {
```

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

```
        int i, j, p = 1;
```

```
        try {
```

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

```
            System.out.println ("Enter the number : ");
```

```
            int n = s.nextInt();
```

```
            if (n < 0) {
```

```
                System.out.println ("Invalid");
```

```
            } else if (n == 0) {
```

```
                System.out.println ("1");
```

```
            } else {
```

```
                for (i = n; i > 0; i--) {
```

```
                    System.out.println ("answer is : " + p);
```

```
                    assertTrue (120 == p);
```

```
                }
```

output

Enter the  
number :  
5

Answer is :  
120

Exp No: 19

Leap Year or not

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**Aim :** To find the year of given date's  
leap year or not and result in white box test

**Program :**

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

class leap year {
    public static void main (String[] args) {
        int i=0;
        System.out.println | "Enter the date(month/
                                Year)";
        Scanner s = new Scanner (System.in);
        String x = s.next();
        String[] y = x.split("/", 3);
        int z = Integer.parseInt(y[2]);
        assertTrue (z == 2000);
        if (z % 4 == 0) {
            System.out.println | "It is leap year";
        }
        else {
            System.out.println | "It is not leap year";
        }
    }
}
```

**output :**

Enter date/month/  
Year:

12/04/2000

It is an  
leap year.

## Exp No : 20 Square, cube of decimal Number

**Aim :** To write a Program to find the Square, cube of the given decimal number. The output Verify white box test

### Program :

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

```
public class CubeSquare {
```

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

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

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

```
        double n = s.nextDouble();
```

```
        double a=0, b=0;
```

```
        a=n*n;
```

```
        b=n*n*n;
```

```
        System.out.println("Square = "+a);
```

```
        System.out.println("Cube = "+b);
```

```
    }
```

```
}
```

```
assert True (expected output == a);
```

```
assert True (expected output == b);
```

```
}
```

output :  
Enter an no : 5

Square : 25

Cube : 125

## Exp No: 81 Selenium Program for automation open a chrome Browser

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**Aim :** To write a Selenium Program to automate the process of opening a chrome browser and navigating to website "google.com"

**Program :**

Package name :

```
import org.openqa.selenium.*;
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:\\\\chrome driver\\\\win32\\\\chrome driver.exe");
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://www.google.com");
    }
}
```



## Ex 22: Automation and open Mozilla Browser

Aim: Program for automation and open Mozilla Browser like google.com

Program:

```
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();
    }
}
```

EXPNOS:

Automate login in ARMS Portal with help of Chrome

Aim: Selenium program to automate login in ARMS Portal with help of Chrome

Program:

```
import org.openqa.selenium.*;
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");
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://arms.sse.saveetha.com");
        System.out.println(username);
        System.out.println(password);
        System.out.println(login);
        username.sendKeys("xxxxx");
        login.click();
    }
}
```

## Exp No 21: Selenium for Github login

Aim: Selenium Program for automate login Github Portal with help of Chrome

Program:

```
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",
```

```
        "webdriver/chrome-driver/");
```

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

```
        driver.get("https://github.com");
```

```
    }
```

```
}
```



## Automate login to Swiggy Portal

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**Aim :** Selenium program for automate login in Swiggy Portal with chrome

**Program :**

Package Prog;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.  
ChromeDriver;

Public class login {

Public static void main (String s[]) {

WebDriver driver = new Chrome Driver();

driver.get ("https://www.swiggy.com/?utm-  
source=Google-S&utm-medium");

WebElement text Box = driver.findElement

(By.className ("x4bke"));

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

}

}