

Q. 11) Write a Java program to convert no. of days
 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 m, year, week, day;
        Scanner s = new Scanner (System.in);
        System.out.print ("Enter the number of
days : ");
        m = s.nextInt ();
        year = m / 365;
        assert true (2 == year);
        m = m % 365;
    }
}
```

System.out.println ("No. of Years:" +
) ;

week = m / 7 ;

m = m % 7 ;

System.out.println ("No. of weeks:" +
) ;

day = m ;

System.out.println ("No. of days:" + day);

}

}

Find the n-factorial of n ? The output 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 t, pr = 1;
        try {
            Scanner s = new Scanner (System.in);
            System.out.println ("Enter the number to find factorial");
            int n = s.nextInt();
            if (n < 0) {
                System.out.println ("Invalid");
            } else if (n == 0)
                System.out.print ("1");
            else
                for (int i = n; i > 0; i--) {
                    pr = pr * i;
                }
            System.out.println ("The answer is: " + pr);
            assertEquals (120 == pr);
        } catch (Exception e) {
            System.out.println ("Invalid");
        }
    }
}
```

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

Aim :- To find the year of the given date is leap year or not and the result is verify using white box testing.

```
import static org.junit.Assert.assertEquals;
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 re = s.next ();
```

string ls = s + " " + split[0],

int x = Integer.parseInt(split[1]);

assert true (x <= 9999);

if (x % 4 == 0)

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

}
else {
System.out.println("It is not a leap
year");}

}

}

}

Ques

Write a program to find the Square
Cube of the given decimal number .
Output value should verify using white
box Testing .

Aim :- To write a program to find the
Square , cube of the given
decimal number . The output value
should verify using white box testing

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

public class Cube_Square {
    public static void main (String [ ] args) {
        try {
            Scanner s = new Scanner (System.in);
            System.out.print ("Enter a number ");
            double n = s.nextDouble ();
            if (n >= 0) {
                System.out.println ("Square is " + n * n);
                System.out.println ("Cube is " + n * n * n);
            } else {
                System.out.println ("Please enter a positive number");
            }
        }
    }
}
```

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```
double a=0, b=0;  
a = n * n;  
b = n * n * n;  
  
System.out.println ("The square of  
number = " + a);  
System.out.println ("The square of  
number = " + b);  
}  
catch (Exception e)  
{  
    System.out.println ("Invalid");  
}  
}  
}  
  
assert true (expected output ==a);  
assert true (expected output ==b);  
}
```

Ques 11 :-

Write a selenium program for automation
and open a chrome browser with "google.com".

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

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");
```

```
(Commented by hand)
```

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

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

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

```
}
```

Ques:-

Write a program for automation and open in mozilla browser with [google.com](https://www.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();
    }
}
```

Ans:-

```
public class seleniumExample {
    public static void main(String[] args) {
        WebDriver driver = new FirefoxDriver();
        driver.get("https://www.google.com");
        driver.manage().window().maximize();
        driver.findElement(By.name("q")).sendKeys("selenium");
        driver.findElement(By.name("q")).submit();
    }
}
```

Exp: 23 :-

selenium program to automate login in Aplus
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.setProperty ("webdriver.chrome.  
driver", "C:\\ selenium\\chrome driver.  
win 32\\chromedriver.exe");  
        WebDriver driver = new ChromeDriver();  
        driver.manage ().window ().maximize ();  
        driver.get ("https://www.sse.  
Sreeetha.com");  
        WebElement Username = driver.find  
Elements (By.id ("txtusername"));  
        System.out.println (username);
```

web Elements password = driver . find elements
(By . id (" txtpassword"));
system . out . println (password);
web element login = driver . find elements
(by . name (" btndlogin"));
system . out . println (login);
username . send keys ("xxxxx");
password . send keys ("xxxxx");
login . click ();
}

EXP : 24

Selenium program Automate login in GitHub Portal with help of chrome browser.

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

Exp :- 25 :-

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write a selenium program 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[]){  
        WebDriver driver = new ChromeDriver();  
        System.setProperty ("webdriver.chrome.driver",  
                           "C:\\chromedriver.exe");  
        driver.get ("https://www.swiggy.com/");  
        driver.manage().window().maximize();  
        driver.findElement(By.id("loginEmail")).sendKeys("9876543210");  
        driver.findElement(By.id("loginPass")).sendKeys("password");  
        driver.findElement(By.id("loginSubmit")).click();  
        String title = driver.getTitle();  
        if (title.equals("Swiggy - Home"))  
            System.out.println("Login successful");  
        else  
            System.out.println("Login failed");  
    }  
}
```

cwxHlKmh3lofjxay - mDxHMFbN5

wawslo gauvhocNF SOIAvD - BWE");

webElement.textBox = driver.findElement

Element(By.className("x4bk8"));

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

textBox.click();

}

}