**Slip13**

[November 02, 2023](https://nilambariblogfortybsc-cs.blogspot.com/2023/11/slip13.html)

 Q1) Write a program to accept a file name from command prompt, if the file exits then display number of words and lines in that file. [10 marks]

import java.io.\*;

class Slip13\_1

{

public static void main(String args[]) throws IOException

{

String line,dirname=args[0];

int ch,i,cnt=0,lcnt=0;

File f1=new File(dirname);

if(f1.isFile() && f1.exists())

{

BufferedReader br = new BufferedReader(new FileReader(f1));

          while((line = br.readLine()) != null)

{

lcnt++;

             String words[] = line.split("");

                cnt = cnt + words.length;

}

}

System.out.println("Total Number Of Lines:"+lcnt);

System.out.println("Total Number Of Words:"+cnt);

}

}

Q2) Write a program to display the system date and time in various formats shown below: Current date is : 31/08/2021 Current date is : 08-31-2021 Current date is : Tuesday August 31 2021 Current date and time is : Fri August 31 15:25:59 IST 2021 Current date and time is : 31/08/21 15:25:59 PM +0530 [20 marks]

/\*

Letter  Date or Time Component  Presentation  Examples

G  Era designator  Text  AD

y  Year  Year  1996; 96

Y  Week year  Year  2009; 09

M  Month in year  Month  July; Jul; 07

w  Week in year  Number  27

W  Week in month  Number  2

D  Day in year  Number  189

d  Day in month  Number  10

F  Day of week in month  Number  2

E  Day name in week  Text  Tuesday; Tue

u  Day number of week (1 = Monday, ..., 7 = Sunday)  Number  1

a  Am/pm marker  Text  PM

H  Hour in day (0-23)  Number  0

k  Hour in day (1-24)  Number  24

K  Hour in am/pm (0-11)  Number  0

h  Hour in am/pm (1-12)  Number  12

m  Minute in hour  Number  30

s  Second in minute  Number  55

S  Millisecond  Number  978

z  Time zone  General time zone  Pacific Standard Time; PST; GMT-08:00

Z  Time zone  RFC 822 time zone  -0800

X  Time zone  ISO 8601 time zone  -08; -0800; -08:00

Date and Time Pattern  Result

"yyyy.MM.dd G 'at' HH:mm:ss z"  2001.07.04 AD at 12:08:56 PDT

"EEE, MMM d, ''yy"  Wed, Jul 4, '01

"h:mm a"  12:08 PM

"hh 'o''clock' a, zzzz"  12 o'clock PM, Pacific Daylight Time

"K:mm a, z"  0:08 PM, PDT

"yyyyy.MMMMM.dd GGG hh:mm aaa"  02001.July.04 AD 12:08 PM

"EEE, d MMM yyyy HH:mm:ss Z"  Wed, 4 Jul 2001 12:08:56 -0700

"yyMMddHHmmssZ"  010704120856-0700

"yyyy-MM-dd'T'HH:mm:ss.SSSZ"  2001-07-04T12:08:56.235-0700

"yyyy-MM-dd'T'HH:mm:ss.SSSXXX"  2001-07-04T12:08:56.235-07:00

"YYYY-'W'ww-u"  2001-W27-3

\*/

import java.text.SimpleDateFormat;

import java.util.Date;

public class DateFormatExample

{

    public static void main(String args[])

{

        // This is how to get today's date in Java

        Date today = new Date();

      SimpleDateFormat df = new SimpleDateFormat("dd/MM/yyyy");

       String date = df.format(today);

       System.out.println ("\nCurrent Date is : " + date);

  //Another Example of formatting Date in Java using SimpleDateFormat

        df = new SimpleDateFormat("MM-dd-yyyy");

        date = df.format(today);

        System.out.println("\nCurrent Date is : " + date);

     //formatting Date with time information

        df = new SimpleDateFormat("EEEEE d MMM yyyy");

        date = df.format(today);

        System.out.println("\nCurrent Date is : " + date);

 //If you print Date, you will get un formatted output

        System.out.println("\nCurrent Date and Time is: " + today);

        //formatting Date with time information

        df = new SimpleDateFormat("dd/MM/yy HH:mm:ss aaaZ");

        date = df.format(today);

        System.out.println("\nCurrent Date and Time is : " + date);

        //SimpleDateFormat example - Date with timezone information

        df = new SimpleDateFormat("HH:mm:SS");

        date = df.format(today);

        System.out.println("\nCurrent Time is : " + date);

     df = new SimpleDateFormat("w");

        date = df.format(today);

        System.out.println("\nCurrent week of year is : " + date);

df = new SimpleDateFormat("W");

        date = df.format(today);

        System.out.println("\nCurrent week of month : " + date);

df = new SimpleDateFormat("D");

        date = df.format(today);

        System.out.println("\nCurrent day of the year is : " + date);

df = new SimpleDateFormat("d");

        date = df.format(today);

        System.out.println("\nCurrent day of the month is : " + date);

    }

}