

```

package dateoperations2;

import java.util.Date;

class Demo01{
    public static void main(String ss[]){

        Date d1=new Date();
        System.out.println("      "+d1.getDate()+"      "+(d1.getMonth()+1)+"
"+d1.getYear());

        System.out.println("=====");

        Date d2=new Date();
        System.out.println("      "+d2.getDate()+"      "+(d2.getMonth()+1)+"
"+(d2.getYear()+1900));

        System.out.println("=====");

        Date d3=new Date();
        System.out.println("      "+d3);

        System.out.println("=====");

    }
}
#####
package dateoperations2;

import java.text.SimpleDateFormat;
import java.util.Date;

class Demo02{
    public static void main(String ss[]) throws Exception{

        SimpleDateFormat sdf1=new SimpleDateFormat("dd/MM/yyyy");

        String date1=sdf1.format(new Date());

        System.out.println("      "+date1);

        System.out.println("=====");

        SimpleDateFormat sdf2=new SimpleDateFormat("dd/MM/yyyy
hh:mm:ss");

        String date2=sdf2.format(new Date());

        System.out.println("      "+date2);

        System.out.println("=====");

        SimpleDateFormat sdf3=new SimpleDateFormat("dd/MM/yyyy
hh:mm:ss");

```

```

        String dateString="22/04/1994 09:08:56";

        Date d1=sdf3.parse(dateString);

        System.out.println("        "+d1);
    }
}
#####

package dateoperations2;

import java.text.SimpleDateFormat;
import java.util.Date;
import org.omg.PortableInterceptor.SYSTEM_EXCEPTION;

class Demo03{
    public static void main(String ss[]) throws Exception{

        Date d1=new Date();

        int date1=d1.getDate();
        int month1=d1.getMonth()+1;
        int year1=d1.getYear()+1900;

        System.out.println("        "+date1+"        "+month1+"        "+year1);

        System.out.println("=====");

        SimpleDateFormat sdf1=new SimpleDateFormat("dd/MM/yyyy
hh:mm:ss");
        String s1=sdf1.format(new Date());

        System.out.println("        "+s1);

        System.out.println("=====");

        SimpleDateFormat sdf2=new SimpleDateFormat("dd/MM/yyyy
hh:mm:ss");

        Date d2=sdf2.parse("03/08/1984 09:43:23");

        System.out.println("        "+d2);

        System.out.println("=====");

        SimpleDateFormat sdf3=new SimpleDateFormat("yyyy/MM/dd
hh:mm:ss");

        String s2=sdf3.format(new Date());

        System.out.println("        "+s2);

        System.out.println("=====");

        System.out.println("=====");
    }
}

```

```

        System.out.println("=====");
    }
}

#####

package dateoperations1;

import java.util.Date;

public class MainClass01{

    public static void main(String[] args){
        Date date = new Date(891111888);
        System.out.println(date);
    }

}

#####

package dateoperations1;

import java.util.Date;

class MainClass02 {
    public static void main(String args[]) {
        Date date = new Date();

        System.out.println(date);

        long msec = date.getTime();
        System.out.println("Milliseconds since Jan. 1, 1970 GMT = " + msec);
    }
}

#####

package dateoperations1;

public class MainClass04 {

    public static void main(String[] args) {
        java.util.Date utilDate = new java.util.Date();
        java.sql.Date sqlDate = new java.sql.Date(utilDate.getTime());
        System.out.println("utilDate:" + utilDate);
        System.out.println("sqlDate:" + sqlDate);

    }

}

#####

        SimpleDateFormat sdf = new SimpleDateFormat("dd/M/yyyy");
        String date = sdf.format(new Date());
        System.out.println(date); //15/10/2013

```

```
#####
```

```
SimpleDateFormat sdf = new SimpleDateFormat("dd-M-yyyy hh:mm:ss");
String dateInString = "31-08-1982 10:20:56";
Date date = sdf.parse(dateInString);
System.out.println(date); //Tue Aug 31 10:20:56 SGT 1982
```

```
#####
```

```
SimpleDateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd
HH:mm:ss");
Date date = new Date();
System.out.println(dateFormat.format(date)); //2013/10/15 16:16:39
```

```
#####
```

```
SimpleDateFormat sdf = new SimpleDateFormat("yyyy MMM dd
HH:mm:ss");
Calendar calendar = new GregorianCalendar(2013,0,31);
System.out.println(sdf.format(calendar.getTime()));
```

```
#####
```

```
SimpleDateFormat sdf = new SimpleDateFormat("yyyy MMM dd
HH:mm:ss");
Calendar calendar = new GregorianCalendar(2013,1,28,13,24,56);

int year      = calendar.get(Calendar.YEAR);
int month     = calendar.get(Calendar.MONTH); // Jan = 0, dec = 11
int dayOfMonth = calendar.get(Calendar.DAY_OF_MONTH);
int dayOfWeek  = calendar.get(Calendar.DAY_OF_WEEK);
int weekOfYear = calendar.get(Calendar.WEEK_OF_YEAR);
int weekOfMonth = calendar.get(Calendar.WEEK_OF_MONTH);

int hour      = calendar.get(Calendar.HOUR); // 12 hour
clock
int hourOfDay = calendar.get(Calendar.HOUR_OF_DAY); // 24 hour
clock
int minute    = calendar.get(Calendar.MINUTE);
int second    = calendar.get(Calendar.SECOND);
int millisecond = calendar.get(Calendar.MILLISECOND);

System.out.println(sdf.format(calendar.getTime()));

System.out.println("year \t\t: " + year);
System.out.println("month \t\t: " + month);
System.out.println("dayOfMonth \t: " + dayOfMonth);
System.out.println("dayOfWeek \t: " + dayOfWeek);
System.out.println("weekOfYear \t: " + weekOfYear);
System.out.println("weekOfMonth \t: " + weekOfMonth);

System.out.println("hour \t\t: " + hour);
System.out.println("hourOfDay \t: " + hourOfDay);
System.out.println("minute \t\t: " + minute);
System.out.println("second \t\t: " + second);
```

```

        System.out.println("millisecond \t: " + millisecond);

#####

        SimpleDateFormat sdf = new SimpleDateFormat("yyyy MMM dd
HH:mm:ss");

        Calendar calendar = new GregorianCalendar(2013,1,28,13,24,56);
        System.out.println("#1. " + sdf.format(calendar.getTime()));

        //update a date
        calendar.set(Calendar.YEAR, 2014);
        calendar.set(Calendar.MONTH, 11);
        calendar.set(Calendar.MINUTE, 33);

        System.out.println("#2. " + sdf.format(calendar.getTime()));

#####

        SimpleDateFormat sdf = new SimpleDateFormat("yyyy MMM dd");

        Calendar calendar = new GregorianCalendar(2013,10,28);
        System.out.println("Date : " + sdf.format(calendar.getTime()));

        //add one month
        calendar.add(Calendar.MONTH, 1);
        System.out.println("Date : " + sdf.format(calendar.getTime()));

        //subtract 10 days
        calendar.add(Calendar.DAY_OF_MONTH, -10);
        System.out.println("Date : " + sdf.format(calendar.getTime()));

#####

        SimpleDateFormat sdf = new SimpleDateFormat("dd-M-yyyy
hh:mm:ss");
        String dateInString = "22-01-2015 10:20:56";
        Date date = sdf.parse(dateInString);

        Calendar calendar = Calendar.getInstance();
        calendar.setTime(date);

#####

http://javatechniques.com/blog/dateformat-and-simplydateformat-examples/

```