**Modularize to package level to develop a class called Date that includes a month(type int), a day(type int) and a year(type int). The class should have a parameterized constru**

**ctor that initializes 3 instance variables. Check the date,month and year should be positive.Provide a method toString() that displays the month, day and year separated by forward slashes (/). Write a test application named DateTest that demonstrates class Date’s capabilities.**

**package** p1;

**class** Date

{

**int** date;

**int** month;

**int** year;

//default constructor

Date ()

{

}

//parameterized constructor

Date(**int** i, **int** j, **int** k)

{

date=i;

month=j;

year=k;

}

**public** **boolean** setA(**int** d1,**int** m1,**int** y1)

{

**if**(d1>0&&m1>0&&y1>0)

{

date=d1;

month=m1;

year=y1;

**return** **true**;

}

**return** **false**;

}

**public** **int** getDate()

{

**return** date;

}

**public** **int** getMonth()

{

**return** month;

}

**public** **int** getyear()

{

**return** year;

}

**public** String toString()

{

String str=String.*format*("%s/%s/%s",getDate(),getMonth(),getyear());

**return** str;

}

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

Date obj=**new** Date(17,02,2022);

System.***out***.println(obj);

Date csit=**new** Date();

csit.setA(18,02,2022);

System.***out***.println(csit);

}

}

package p2;

import p1.Date;

**class**Datetest

{

**publicstaticvoid** main(String[] args)

{

Date d=**new** Date(1,1,1970);

System.***out***.println(d);

d.setdate(27, 12,1983);

System.***out***.println(d);

}

}

|  |  |  |  |
| --- | --- | --- | --- |
| package p1   |  | | --- | | DateClass | | -day: int  -month:int  -year:int | | +DateClass(day:int, month:int, year:int)  +toString():String | |

|  |  |  |  |
| --- | --- | --- | --- |
| package p2   |  | | --- | | Test | |  | | +main(args: String[]):void | |