

Java: Useful classes

Quiz

Question 1

In which package is `SimpleDateFormat` defined?

- A. `java.lang`
- B. `java.text`
- C. `java.util`
- D. `java.date`

Question 2

Which of the following are abstract classes?

- A. `java.util.Calendar`
- B. `java.lang.Number`
- C. `java.util.Date`
- D. `java.util.StringTokenizer`

Question 3

Which of following classes does not require any explicit imports?

- A. `StringTokenizer`
- B. `Date`
- C. `Calendar`
- D. `Math`

Question 4

```
SimpleDateFormat ft1 =  
    new SimpleDateFormat ("dd-mm-  
    yyyy");  
Date d= ft1.parse("10.7.1967");  
System.out.println("Current Date: " +  
    ft1.format(d));
```

What will the above lines of code print?

- A. 10.07.1967
- B. 10-07-1967
- C. 10.7.1967
- D. Runtime exception ParseException thrown

Assume necessary imports for all the questions that have code snippets

Question 5

```
Date d= new Date();  
SimpleDateFormat s= new  
    SimpleDateFormat("yyyy MMM dd");  
String s1=s.XXX(d);  
System.out.println(s1);
```

Which method should be substituted in place of XXX so that the code prints date the form of "2011 Nov 18"

- A. parse
- B. format
- C. form
- D. printf

Question 6

```
GregorianCalendar c= new  
    GregorianCalendar ();  
c.set(2000,7,9);  
SimpleDateFormat s= new  
    SimpleDateFormat("yyyy MMM dd");  
String s1=s.format(c.XXX());  
System.out.println(s1);
```

What method should be substituted in place of XXX so that the code prints "2000 Aug 09"

- A. getDate
- B. getTime
- C. getCalendar
- D. get

Question 7

```
GregorianCalendar now= new  
    GregorianCalendar ();  
now.set(2000,7,7);  
System.out.printf(" %1$tY %1$tm  
    %1$td ",now);
```

What will the lines of code print?

- A. 2000 7 7
- B. 00 7 7
- C. 2000 07 07
- D. 2000 08 07

Question 8

```
GregorianCalendar now= new  
    GregorianCalendar ();
```

```
now.set(2000,7,7);
```

```
GregorianCalendar now1= new  
    GregorianCalendar ();
```

```
now1.set(2000,8,7);
```

```
System.out.print(now.compareTo(now1));
```

What will the lines of code print?

- A. 0
- B. 1
- C. -1
- D. 30

Question 9

isLeapYear() defined in which class?

- A. `GregorianCalendar`
- B. `Date`
- C. `Calendar`
- D. `DateFormat`

Question 10

```
System.out.print(Calendar.MONDAY)  
;
```

What will happen when you execute the above lines?

- A. 0
- B. 1
- C. 2
- D. 7

Question 11

```
GregorianCalendar now= new  
    GregorianCalendar ();  
now.set(2000,7,7);  
now.add(XXX,5);  
System.out.print(now.get(XXX));
```

What should be placed in place of XXX so that the code displays 2005?

- A. Calendar.Year
- B. Calendar.YEAR
- C. Calendar.year
- D. None of the above

Question 12

```
System.out.println(  
    Math.floor(Math.PI) );
```

What will the code print?

A. 2

B. 2.0

C. 3

D. 3.0

Question 13

```
public class Rand{  
    public static void main(String ar[])  
    {  
        for(int j=0;j<9;j++){  
  
            System.out.println(((int)(Math.random()*10)););  
        }  
    }  
}
```

What happens on execution of the code?

- A. Code prints 0
- B. Code prints any number between 0 and 9
- C. Code prints any number between 1 and 10
- D. Code prints any number between 0 and 10

Question 14

Which package does the **Random** class belong to ?

A. `java.text`

B. `java.util`

C. `java.lang`

D. `java.random`

Question 15

```
public static void main(String ar[]) {  
    int cnt=0;  
    StringTokenizer st = new StringTokenizer(args[0],",");  
    for(int i=0;i<st.countTokens();i++)  
        cnt=cnt+Integer.parseInt(st.nextToken());  
    System.out.println(cnt); }
```

Which of the command line argument will print 6?

- A. 123456
- B. 1 2 3 4 5 6
- C. 1,2,3,4,5,6
- D. 1, 2, 3, 4, 5, 6

Question 16

```
import java.util.*;
public class A {
    static int[] b = { 10,30,5,20 };
    public static void main(String a[]){
        Calendar cal = Calendar.getInstance();
        cal.set(2011,11,1);
        // line 1
        System.out.println(cal.get(Calendar.YEAR));
    }
}
```

Which of the following if inserted at line 1 will display 2012?

- A. `cal.roll(Calendar.MONTH, 1);`
- B. `cal.add(Calendar.MONTH, 1);`
- C. `cal.rollUp(Calendar.MONTH, 1);`
- D. `cal.addUp(Calendar.MONTH, 1);`