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Exam : 98-388

**Title : Introduction to Programming
Using Java**

Version : DEMO

1.HOTSPOT

You need to evaluate the following code segment.

Line numbers are included for reference only.

```
01 int a = 5;
02 int b = 10;
03 int c = ++a * b--;
04 System.out.println(c);
05 int d = a-- + ++b;
06 System.out.println(d);
```

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code. NOTE: Each correct selection is worth one point.

Answer Area

What is the output of line 04?

	▼
15	
45	
50	
54	
60	

What is the output of line 06?

	▼
13	
14	
15	
16	

Answer:

Answer Area

What is the output of line 04?

	▼
15	
45	
50	
54	
60	

What is the output of line 06?

	▼
13	
14	
15	
16	

2.You have the following code segment.

Line numbers are included for reference only.

```
01 public static void main(String[] args)
02 {
03     double number = 27;
04     number %= -3d;
05     number += 10f;
06     number *= -4;
07     System.out.println(number);
08 }
```

What is the output of line 07?

- A. -44
- B. -40.0
- C. 40.0
- D. 44.0

Answer: B

3.HOTSPOT

You are interviewing for a job as a Java developer. You are presented with the following code.

Line numbers are included for reference only.

```
01 char data1 = 65;
02 System.out.println(data1);
03
04 long data2 = 65;
05 System.out.println(data2);
06
07 float data3 = new Float("-65.0");
08 System.out.println(data3);
09
10 short data4 = new Short("65.0");
11 System.out.println(data4);
```

You need to evaluate what happens when the code runs.

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code. NOTE: Each correct selection is worth one point.

Answer Area

What happens when lines 01 and 02 are run?

	▼
The number 65 is displayed.	
The letter 'A' is displayed.	
An exception is thrown.	

What happens when lines 04 and 05 are run?

	▼
The number 65 is displayed.	
The number 65.0 is displayed.	
An exception is thrown.	

What happens when lines 07 and 08 are run?

	▼
The number -65 is displayed.	
The number -65.0 is displayed.	
An exception is thrown.	

What happens when lines 10 and 11 are run?

	▼
The number 65 is displayed.	
The number 65.0 is displayed.	
An exception is thrown.	

Answer:

Answer Area

What happens when lines 01 and 02 are run?

	▼
The number 65 is displayed.	
The letter 'A' is displayed.	
An exception is thrown.	

What happens when lines 04 and 05 are run?

	▼
The number 65 is displayed.	
The number 65.0 is displayed.	
An exception is thrown.	

What happens when lines 07 and 08 are run?

	▼
The number -65 is displayed.	
The number -65.0 is displayed.	
An exception is thrown.	

What happens when lines 10 and 11 are run?

	▼
The number 65 is displayed.	
The number 65.0 is displayed.	
An exception is thrown.	

4.HOTSPOT

You need to evaluate the following Java program.

Line numbers are included for reference only.

```
01 public static void main(String[] args) {  
02     double pi = Math.PI; //3.141593  
03     System.out.format("Pi is %.3f%n", pi);  
04     System.out.format("Pi is %.0f%n", pi);  
05     System.out.format("Pi is %09f%n", pi);  
06 }
```

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code. NOTE: Each correct selection is worth one point.

Answer Area

What is the output of line 03?

<input type="text"/>
Pi is 3.141593
Pi is 3.142
Pi is 3.14
Pi is 3.1

What is the output of line 04?

<input type="text"/>
Pi is 3.141593
Pi is 0003.141593
Pi is 3
Pi is 3.

What is the output of line 05?

<input type="text"/>
Pi is 3.141593
Pi is 3.1415930
Pi is 03.141593
Pi is 0000000003.141593

Answer:

Answer Area

What is the output of line 03?

<input type="text"/>
Pi is 3.141593
Pi is 3.142
Pi is 3.14
Pi is 3.1

What is the output of line 04?

<input type="text"/>
Pi is 3.141593
Pi is 0003.141593
Pi is 3
Pi is 3.

What is the output of line 05?

<input type="text"/>
Pi is 3.141593
Pi is 3.1415930
Pi is 03.141593
Pi is 0000000003.141593

Explanation:

References:

<https://docs.oracle.com/javase/tutorial/java/data/numberformat.html>

5.You need to analyze the following code segment.

Line numbers are included for reference only.

```
01 public void printInt()  
02 {  
03     if (true) {  
04         int num = 1;  
05         if (num > 0) {  
06             num++;  
07         }  
08     }  
09     int num = 1;  
10     addOne(num);  
11     num = num - 1;  
12     System.out.println(num);  
13 }  
14  
15 public void addOne(int num)  
16 {  
17     num = num + 1;  
18 }
```

What is the output of line 12 when you run printInt ()?

- A. 0
- B. 1
- C. 2
- D. 3

Answer: A