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## **Q&A**

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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**