


**Started on** Thursday, 20 February 2025, 4:15 PM**State** Finished**Completed on** Thursday, 20 February 2025, 4:43 PM**Time taken** 27 mins 51 secs**Question 1**

Complete

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Of the types double, int, and short, how many could fill in the blank to have this code output 0 ?

```
public static void main(String[] args) {  
    _____defaultValue;  
    System.out.println(defaultValue);  
}
```

- ☐ a. Three
- ☐ b. One
- ☐ c. Two
- ☒ d. None

**Question 2**

Complete

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How many of the String objects are eligible for garbage collection right before the end of the main method?

```
public static void main(String[] fruits) {  
    String fruit1 = new String("apple");  
    String fruit2 = new String("orange");  
    String fruit3 = new String("pear");  
    fruit3 = fruit1;  
    fruit2 = fruit3;  
    fruit1 = fruit2;  
}
```

- ☒ a. One
- ☐ b. Two
- ☐ c. None
- ☐ d. Three

**Question 3**

Complete

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?

What is the output of the following code?


```
class Test {  
    public static void main(String[] args) {  
        int a = 60;  
        int b = 50;  
        System.out.println(a&b);  
    }  
}
```

- ☒ a. 0
- ☐ b. None of these
- ☐ c. Compilation fails
- ☐ d. 1

**Question 4**

Complete

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What does the following output?

```
1: public class InitOrder {  
2: public String first = "instance";  
3: public InitOrder() {  
4: first = "constructor";  
5: }  
6: { first = "block"; }  
7: public void print() {  
8: System.out.println(first);  
9: }  
10: public static void main(String... args) {  
11: new InitOrder().print();  
12: }  
13: }
```

- ☐ a. Constructor
- ☐ b. instance
- ☐ c. The code does not compile.
- ☒ d. Block

**Question 5**

Complete

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Which is the first line to trigger a compiler error?

```
double d1 = 5f; // p1  
double d2 = 5.0; // p2  
float f1 = 5f; // p3
```


float f2 = 5.0; // p4

- ☐ a. p2
- ☒ b. p4
- ☐ c. p3
- ☐ d. p1

**Question 6**

Complete

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What is the output of the following code?


```
class Test {  
    public static void main(String[] args) {  
        int count = 0;  
        ROW_LOOP: for(int row = 1; row <=3; row++)  
            for(int col = 1; col <=2 ; col++) {  
                if(row * col % 2 == 0) continue ROW_LOOP;    //Line-6  
                count++;  
            }  
        System.out.println(count);  
    }  
}
```

- ☐ a. The code will not compile because of line 6.
- ☐ b. 3
- ☐ c. 4
- ☒ d. 2
- ☐ e. 1
- ☐ f. 6

**Question 7**

Complete

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```
class Test {  
    int x;  
    public static void main(String[] args)    {  
        Test t=new Test();  
        t.x=10;  
        do{  
            System.out.println(t.x);  
        }while(1);  
    }  
}
```

What is the output of the following code?

- ☐ a. Infinite Loop
- ☐ b. 0
- ☐ c. 10
- ☐ d. None of these
- ☒ e. Compilation Fails

**Question 8**

Complete

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What is the output of the following?

```
Integer integer = new Integer(4);
System.out.print(integer.byteValue());
System.out.print("-");
int i = new Integer(4);
System.out.print(i.byteValue());
```

- ☐ a. The code does not compile.
- ☒ b. 4-4
- ☐ c. 4-0
- ☐ d. The code compiles but throws an exception at runtime.

**Question 9**

Complete

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What is the output of the following?

```
package beach;
public class Sand {
    public Sand() {
        System.out.print("a");
    }
    public void Sand() {
        System.out.print("b");
    }
    public void run() {
        new Sand();
        Sand();
    }
    public static void main(String... args) {
        new Sand().run();
    }
}
```


- ☐ a. aab
- ☒ b. a

- ☐ c. Compilation Fails
- ☐ d. ab

**Question 10**

Complete

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What is the output of the following code?


```
class Test {  
    public static void main(String[] args) {  
        boolean keepGoing = true;  
        int result = 15, i = 10;  
        do {  
            i--;  
            if(i==8)  
                keepGoing = false;  
            result -= 2;  
        } while(keepGoing);  
        System.out.println(result);  
    }  
}
```

- ☐ a. 9
- ☒ b. 11
- ☐ c. 15
- ☐ d. Infinite Loop
- ☐ e. Compilation Fails
- ☐ f. 13

**Question 11**

Complete

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What is the output of the following code?

```
class Test {  
    public static void main(String[] args) {  
        int count = 5;  
        switch(count){  
            default : System.out.println(-1); break;  
            case 5: System.out.println(1); continue;  
            case 2: System.out.println(2); break;  
        }  
    }  
}
```


- ☐ a. -1
- ☐ b. prints 1 infinite times

- ☐ c. 1
- ☒ d. Compilation Fails
- ☐ e. None of these

**Question 12**

Complete

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What is the output of the following code?

```
class Test {  
    public static void main(String[] args) {  
        int count = 1;  
        fs: if(count==1){  
            continue fs;  
            System.out.println(1);  
        }  
        else if(count==2)  
            System.out.println(2);  
        else  
            break;  
    }  
}
```

- ☒ a. None of these
- ☐ b. 1
- ☐ c. Prints Nothing
- ☐ d. Prints 1 infinite times

**Question 13**

Complete

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Which of the following does not compile?

- ☐ a. None of these; these all compile.
- ☒ b. `int num = _9_99;`
- ☐ c. `int num = 999;`
- ☐ d. `int num = 9_9_9;`

**Question 14**

Complete

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What is the output of the following code snippet?

```
class Test{  
    public static void main(String[] args)    {
```

```
int x = 4;
long y = x * 4 - x++;
if(y<10) System.out.println("Too Low"); //Line -5
else System.out.println("Just right"); //line-6
else System.out.println("Too High"); //line-7
}
}
```

- ☐ a. Too Low
- ☐ b. Too High
- ☐ c. Just Right
- ☐ d. Compiles but throws a NullPointerException.
- ☐ e. The code will not compile because of line 6.
- ☒ f. The code will not compile because of line 7.

**Question 15**

Complete

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How many of the following methods compile?

```
public String convert(int value) {
    return value.toString();
}
public String convert(Integer value) {
    return value.toString();
}
public String convert(Object value) {
    return value.toString();
}
```

- ☒ a. Three
- ☐ b. None
- ☐ c. One
- ☐ d. Two

**Question 16**

Complete

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[Flag question](#)

Given that a Date class exists in both the java.util and java.sql packages, what is the result of compiling the following class?

```
1: import java.util.*;
2: import java.sql.*;
3: public class BirthdayManager {
4:     private Date rob = new Date();
5:     private java.util.Date sharon = new java.util.Date();
```

6: }

- ☐ a. The code does not compile because of line 5.
- ☐ b. The code compiles without issue.
- ☒ c. The code does not compile because of line 4.
- ☐ d. The code does not compile because of lines 1 and 2.

**Question 17**

Complete

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 [Flag question](#)

What is the output of the following code?

```
class Test { //line-1
public static void main(String[] args) { //line-2
    int x = 5; //line-3
    System.out.println(x > 2 ? x < 4 ? 10 : 8 : 7); //line-4
} //line-5
} //line-6
```

- ☐ a. 4
- ☐ b. 7
- ☒ c. 8
- ☐ d. The code will not compile because of line 4
- ☐ e. 10
- ☐ f. 5

**Question 18**

Complete

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 [Flag question](#)

```
class Test {
    public static void main(String[] args) {
        int x=1;
        for (int y=3,x=2;x<3 ;x++ ) {
            System.out.println(x);
        }
    }
}
```

What is the output of the following code?

- ☐ a. 3
- ☒ b. Compilation Fails
- ☐ c. 2
- ☐ d. None of these
- ☐ e. 1



**Question 19**

Complete

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 [Flag question](#)

Given two files

```
1. package pkgA;
2. public class Foo {
3.     int a = 5;
4.     protected int b = 6;
5.     public int c = 7;
6. }
```

-----

```
3. package pkgB;
4. import pkgA.*;
5. public class Baz {
6.     public static void main(String[] args){
7.         Foo f = new Foo();
8.         System.out.print(" " + f.a);
9.         System.out.print(" " + f.b);
10.        System.out.print(" " + f.c);
11.    }
12. }
```

What is the result? (Choose all that apply.)

- ☒ a. Compilation fails with an error on line 9
- ☐ b. 5 followed by an exception
- ☐ c. Compilation fails with an error on line 10
- ☐ d. 5 6 7
- ☐ e. Compilation fails with an error on line 7
- ☐ f. Compilation fails with an error on line 8

**Question 20**

Complete

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 [Flag question](#)

What is the output of the following code?

```
class Test {
    public static void main(String[] args) {
        int a = 60;
        int b = 50;
        System.out.println((a < b) ? (a & b) : (a | b));
    }
}
```

- ☐ a. 48

- ☐ b. 60
- ☒ c. 62
- ☐ d. compilation fails
- ☐ e. 50

[Finish review](#)