

Question

1

Not yet
answered

Marked out of
1.00

What is the output of the following code snippet?

```
3: java.util.List<Integer> list = new java.util.ArrayList<Integer>();
4: list.add(10);
5: list.add(14);
6: for(int x : list) {
7: System.out.print(x + ", ");
8: break;
9: }
```

Select one:

- ☒ a. 10, 14,
- ☐ b. The code contains an infinite loop and does not terminate.
- ☐ c. 10,
- ☐ d. 10, 14
- ☐ e. The code will not compile because of line 7.
- ☐ f. The code will not compile because of line 8.
- ☐ g. Change the data type of y on line 4 to long.

Question

2

Not yet
answered

Marked out of
1.00

What is the output of the following application?

```
1: public class CompareValues {
2: public static void main(String[] args) {
3: int x = 0;
4: while(x++ < 10) {}
5: String message = x > 10 ? "Greater than" : false;
6: System.out.println(message+" "+x);
7: }
8: }
```

Select one:

- ☐ a. false,10
- ☒ b. The code will not compile because of line 4.
- ☐ c. Greater than,10
- ☐ d. Greater than,11
- ☐ e. false,11
- ☐ f. The code will not compile because of line 5.

Question 3

Not yet answered

Marked out of 1.00

Which of the following Java operators can be used with boolean variables? (Choose all that apply)

Select one or more:

- ☐ a. <=
- ☐ b. +
- ☐ c. %
- ☐ d. !
- ☐ e. --
- ☐ f. ==

Question 4

Not yet answered

Marked out of 1.00

What change would allow the following code snippet to compile? (Choose all that apply)

```
3: long x = 10;
```

```
4: int y = 2 * x;
```

Select one or more:

- ☐ a. Change the data type of x on line 3 to short.
- ☐ b. No change; it compiles as is.
- ☐ c. Change the data type of y on line 4 to long.
- ☐ d. Cast x on line 4 to int.
- ☐ e. Change the data type of y on line 4 to short.
- ☐ f. Cast 2 * x on line 4 to int.

Question 5

Not yet answered

Marked out of 1.00

What data type (or types) will allow the following code snippet to compile? (Choose all that apply)

```
byte x = 5;
```

```
byte y = 10;
```

```
_____ z = x + y;
```

Select one or more:

- ☐ a. byte
- ☐ b. short
- ☐ c. long
- ☐ d. double
- ☐ e. boolean
- ☐ f. int

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