



## Java Quiz: Chapter 8

**Guidelines:** Answer the questions below by ticking the box next to the correct response(s) to each question. Be sure to check your answers to ensure that they are correct.

1. Which term best describes an array?

Choose one answer.

- ☐ A. An array is a control structure
- ☒ B. **An array is a variable type that can store multiple items instantaneously**
- ☐ C. An array is a variable type that can only store a single value
- ☐ D. An array is a technique used to print data to text-files

2. In Java, what is the syntax used to declare a primitive string array (of size 3)?

Choose one answer.

- ☒ A. `String[] myArrayName = new String[3];`
- ☐ B. `String myArrayName = new String[3];`
- ☐ C. `String[] myArrayName = String[3];`
- ☐ D. `String myArrayName = String[3];`

3. What would be the output of this statement?

```
String[] wordArray = {"W", "X", "Y", "Z"};
System.out.println(wordArray[2]);
```

Choose one answer.

- ☐ A. W
- ☐ B. X
- ☒ C. **Y**
- ☐ D. Z

4. This statement is the same as...?

```
String[] myA;
int x = 5;
myA = new String[x];
```

Choose one answer.

- ☐ A. `String myA = String[5];`
- ☐ B. `String[] myA = String[5];`
- ☐ C. `String myA = new String[5];`
- ☒ D. `String[] myA = new String[5];`

5. What would be the output of this statement?

```
String[] myNames = new String[5];
myNames [0] = "Joe";
myNames [1] = "James";
myNames [2] = "Junaid";
myNames [3] = "John";
myNames [4] = "Jason";
for(int i = 1; i < 4; i++){
    System.out.println(myNames [i]);
}
```

Choose one answer.

- ☐ A. Joe  
James  
Junaid  
John  
Jason
- ☒ B. **James**  
**Junaid**  
**John**
- ☐ C. Joe  
James
- ☐ D. Joe  
James  
Junaid  
John

6. What would be the output of this statement?

```
String[] myNames = new String[5];
myNames [0] = "Joe";
myNames [1] = "James";
myNames [2] = "Junaid";
myNames [3] = "John";
myNames [4] = "Jason";

for(int i = 0; i < myNames.length; i++){
    System.out.println(myNames[i]);
}
```

Choose one answer.

- ☒ A. **Joe**  
**James**  
**Junaid**  
**John**  
**Jason**
- ☐ B. James  
Junaid  
John
- ☐ C. Joe  
James
- ☐ D. Joe  
James  
Junaid  
John

7. In Java, what is the syntax used to declare a multidimensional, primitive int array (with an equivalent of 4 rows and 3 columns)?

Choose one answer.

- ☒ A. `int[][] x = new int[4][3];`
- ☐ B. `int[][] x = new int[3][4];`
- ☐ C. `int x = new int[3][4];`
- ☐ D. `int x = new int[4][3];`

8. What would be the output of this statement?

```
String[][] myPhrases = new String[][] //Rows first, then columns
{
    {"1", "House", "Haus", "Maison"},
    {"2", "Street", "Strasse", "Rue"},
    {"3", "Left", "Links", "Gauche"},
    {"4", "Right", "Recht", "Droit"},
    {"5", "Straight Ahead", "Geradeaus", "Tout Droit"},
    {"6", "Light", "Licht", "Lumiere"},
    {"7", "Time", "Zeit", "Temps"},
    {"8", "Door", "Tur", "Porte"},
    {"9", "Coat", "Mantel", "Manteau"},
    {"10", "Shirt", "Hemd", "Chemise"},
    {"11", "Colour", "Fabre", "Couleur"},
    {"12", "Horse", "Pferd", "Cheval"},
    {"13", "Cow", "Kuh", "Vache"},
    {"14", "Pig", "Schwein", "Porc"},
    {"15", "Sheep", "Schaf", "Mouton"},
    {"16", "Goat", "Ziege", "Chevre"}
};
System.out.println(myPhrases[5][3]);
```

Choose one answer.

- ☐ A. Ahead
- ☐ B. Tout Droit
- ☐ C. Door
- ☒ D. Lumiere

9. Which term best describes an array list?

Choose one answer.

- ☒ A. **An array list is a dynamic array type which can grow and shrink as needed**
- ☐ B. An array list is a static array type that is unable to change in size
- ☐ C. An array list is a control structure
- ☐ D. An array list is a variable type that can only hold one piece of data

10. What would be the output of this statement?

```
ArrayList<String> myWordList = new ArrayList<String>();
myWordList.add("Joe");
myWordList.add("James");
myWordList.add("John");
System.out.println(myWordList.get(1));
```

Choose one answer.

- ☐ A. Joe
- ☒ B. **James**
- ☐ C. John
- ☐ D. Error – will not compile

11. What would be the output of this statement?

```
ArrayList<String> myWordList = new ArrayList<String>();  
myWordList.add("Joe");  
myWordList.add("James");  
myWordList.add("John");  
myWordList.add("Dean");  
myWordList.remove(2);  
Iterator myIteration = myWordList.iterator();  
while(myIteration.hasNext()){  
    System.out.println(myIteration.next());  
}
```

Choose one answer.

- |  |  |   |  |
|--|--|---|--|
| <input type="checkbox"/> A. Joe<br>James<br>John<br>Dean | <input type="checkbox"/> B. Joe<br>James<br>John | <input type="checkbox"/> C. Joe<br>John<br>Dean | <input checked="" type="checkbox"/> D. <b>Joe<br/>James<br/>Dean</b> |
|--|--|---|--|

12. In Java, which statement is used to import the iterator (to cycle through array list items)?

Choose one answer.

- ☒ A. `import java.util.Iterator;`
- ☐ B. `import java.util.Random;`
- ☐ C. `import java.io.*;`
- ☐ D. `import java.text*;`