

Quiz name: **Advanced Java Unit 1 Review**

Question with Most Correct Answers: **#1**

Question with Fewest Correct Answers: **#9**

Date: **09/29/2015**

Total Questions: **15**

1. The PrintWriter class is part of which package?

0/9

☐ A

No import is necessary

0/9

☐ B

java.lang.*;

0/9

☐ C

java.util.*;

0/9

☐ D

java.collections.*;

9/9

☒ E

java.io.*;

2. Which of the following are true of Java collections?

3/9

☒ A

Group multiple elements into a single unit.

1/9

☐ B

Are based on interfaces which allow collections to be manipulated independently of the details of their representation.

8/9

☒ C

Are used to store, retrieve, manipulate, and communicate aggregate data

4/9

☐ D

The core collection interfaces are organized into two distinct inheritance trees: Set and List.

3. Which of the following holds a group of objects in the same order that they are placed in the collection?

1/9

☐ A

TreeMap

1/9

☐ B

TreeSet

0/9

☐ C

HashMap

8/9

☒ D

ArrayList

4. What does "ANT" in Apache ANT stand for?

Anon a89c1

cool term I should know

Anon 7fe96

tool

Anon 6cb6d

another neat tool

Anon fbd06

Apache something?

Anon f045e

another neat tool

Anon b9697

Another neat tool

?

Anon 20741

Antapillar

Anon b5737

Apache ...

Anon d7bcd

another neat tool

-
5. Which of the following are true of Apache ANT?
- 1/9 ☒ A It is a Java library.
- 6/9 ☒ B It is a command line tool.
- 1/9 ☒ C Its main usage is building Java applications.
- 2/9 ☐ D Is used to run Java applications.
- 5/9 ☒ E Relies on a build.xml file which describes targets (lists of tasks) that can be used to compile and build projects.
-

6. Write the command to add execute permissions to the runMyProject.sh file.

Anon 7fe96

./runMyProject.sh

Anon 6cb6d

chmod -x filename

Anon fbd06

ant mod x+ runMyProject.sh

Anon f045e

runMyProjects.sh +x

Anon b9697

chmod++ runMyProject.sh

s

Anon 20741

chmod +x

Anon b5737

chmod

Anon d7bcd

chmod +x runMyProject.sh

Consider this line of code:

```
ArrayList<Car> carInventory = new ArrayList<Car>();
```

7. What is the object reference?

- 6/9 ☒ A carInventory
 - 0/9 ☐ B ArrayList
 - 2/9 ☐ C Car
 - 1/9 ☐ D ArrayList<Car>
 - 0/9 ☐ E None of the above
-

Consider this line of code:

```
ArrayList<Car> carInventory = new ArrayList<Car>();
```

8. When this line of code runs, how many Car objects are created?

- 0/9 ☐ A 10
 - 4/9 ☐ B 1
 - 6/9 ☒ C 0
 - 0/9 ☐ D It depends how much RAM is available.
-

Consider this line of code:

```
ArrayList<Car> carInventory = new ArrayList<Car>();
```

9. Which of the following are true?

- 1/9 ☒ A This pair of angle brackets, <>, is informally called the diamond.
 - 8/9 ☒ B ArrayList<Car> is a generic type invocation which means you are passing a type argument — Car in this case — to the ArrayList class itself.
 - 1/9 ☐ C A car object is created.
 - 3/9 ☒ D In Java SE 7 and later this code could be rewritten as: ArrayList<Car> carInventory = new ArrayList<>();
 - 3/9 ☒ E Generics provide type safety.
-

10. Which of the following are true about the try-with-resources statement?

- 3/9 ☐ A It is a try statement that can only declare one resource (where a resource is defined as an object that must be closed after the program is finished with it).
- 8/9 ☒ B Ensures that each resources is closed at the end of the statement if the code in the try block completes normally.
- 3/9 ☒ C Ensures that each resources is closed at the end of the statement if the code in the try block ends abruptly (fails).
- 7/9 ☒ D Formatting looks like this: try (BufferedReader br = new BufferedReader(new FileReader(path))) {

0/9

☒ E try (BufferedReader br =
new BufferedReader(new FileReader(path))); {

0/9

☒ F Can only be used with resources that implement the AutoCloseable interface.

11. Which of the following are true of java exception handling?

8/9

☒ A An exception is an event, which occurs during the execution of a program, that disrupts the normal flow of the program's instructions.

4/9

☒ B When an error occurs within a method, the method creates an object and hands it off to the runtime system.

6/9

☒ C The exception object contains information about the error, including its type and the state of the program when the error occurred.

4/9

☒ D The block of code that can handle the exception is called the exception handler.

The following code is legal:

```
try {  
12. } finally {
```

```
}
```

4/9

☒ A True

6/9

☐ B False

This code is correct and will compile:

```
try {  
13. } catch (Exception e) {  
  
} catch (ArithmeticException a) {  
  
}
```

4/9

☐ A True

6/9

☒ B False

14. We use PrintWriter because it makes formatting of output easier.

6/9

☒ A True

4/9

☐ B False

15. Which of the following are true of BufferedReader?

2/9

☐ A

It is part of the java.collections package.

6/9

☐ B

The BufferedReader constructor takes the name of the file represented as a String.

4/9

☒ C

Buffered reader buffers characters to provide efficient reading of characters.

4/9

☒ D

The BufferedReader constructor takes a Reader object.