Java Week 4

Total Questions: 15

Most Correct Answers: **#1**

Least Correct Answers: **#15**

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1. When submitting Project 2 for grading, which directory should you zip(compress)?

3/19 (A) project2

0/19 (B) java111

0/19 (C) src

15/19 (D) projects

0/19 (E) none of the above

2. This is the proper way to define and assign a double:
double myDouble = 5.9f;

1/19 (A) True

13/19 (B) False

3. This is the proper way to define and assign a char:
char myChar = "y";

10/19 (A) True

4/19 (B) False

4. A program written in Java is run on a standardized hypothetical computer called _____.

0/19 (A) a transformer

0/19 (B) object referencer

6/19 (C) a compiler

8/19 (D) the java virtual machine

5. **In this code snippet, what part is the object reference?**

SuperHero speedy = new SuperHero();

0/19 (A) SuperHero

4/19 (B) speedy

4/19 (C) new SuperHero()

7/19 (D) SuperHero()

6. **What are the two main types of variables in Java?**

3/19 (A) int and String

1/19 (B) Strings and primitives

0/19 (C) doubles and floats

10/19 (D) primitives and object references

1/19 (E) Primitives and complex variables

7. **A class lives in the garbage collection heap.**

2/19 (A) True

13/19 (B) False

8. When does garbage collection happen?

2/19   (A)   When gc.CollectGarbage() is called.

0/19   (B)   Every 5 ms.

1/19   (C)   Every day at 12:01 a.m.

12/19   (D)   We don't know and we don't care.

9. Which of the following will compile?

0/19   (A)   int double = 1;

0/19   (B)   int myInt = 34.5;

15/19   (C)   int myInt = 15;

0/19   (D)   int void = 0;

10. Which of the following is not a primitive type?

0/19   (A)   int

4/19   (B)   byte

0/19   (C)   float

11/19   (D)   String

11.   Assume the code snippet below is within a valid class and main method. Choose the answer that describes the proper output:

```
Book a = new Book();
Book b = new Book();
a.title = "Blue";
b.title = "Red";
b = null;
System.out.println(b.title);
```

0/19   Ⓐ Blue

4/19   Ⓑ Red

0/19   Ⓒ a.title

0/19   Ⓓ b.title

11/19 Ⓔ Null Pointer Exception

12.   Assume the code snippet below is within a valid class and main method. Choose the answer that describes the proper output:

```
Book a = new Book();
Book b = new Book();
a.title = "Blue";
b.title = "Red";
b = null;
System.out.println(a.title);
```

0/19   Ⓐ Null Pointer Exception

15/19 Ⓑ Blue

0/19   Ⓒ Red

0/19   Ⓓ title

0/19   Ⓔ a.title

13. Assume the code snippet below is within a valid class and main method. Choose the answer that describes the proper output:

```
Book a = new Book();
Book b = new Book();
a.title = "Blue";
b.title = "Red";
b = a;
System.out.println(b.title);
```

0/19   (A)   Null Pointer Exception

14/19   (B)   Blue

1/19   (C)   Red

0/19   (D)   a.title

0/19   (E)   b.title

14. Assume the code snippet below is within a valid class and main method. Choose the answer that describes the proper output:

```
Book a = new Book();
Book b = new Book();
a.title = "Blue";
b.title = "Red";
b = a;
a = null;
System.out.println(b.title);
```

8/19   (A)   Null Pointer Exception

5/19   (B)   Blue

1/19   (C)   Red

0/19   (D)   a.title

1/19   (E)   null

15. Assume the code snippet below is within a valid class and main method. Choose the answer that describes the proper output:

```
Book a = new Book();
Book b = new Book();
a.title = "Blue";
b.title = "Red";
b = a;
b.title = "Green";
System.out.println(a.title);
```

0/19   (A)   Null Pointer Exception

13/19   (B)   Blue

0/19   (C)   float

2/19   (D)   Green