

Java Week 6

Total Questions: 12

Most Correct Answers: #4

Least Correct Answers: #11

1. According to the course coding standards, which of the following are true?

- 3/3 ☒ A No abbreviations are allowed in the names of classes, variables or methods.
- 3/3 ☒ B All class names must start with an uppercase letter.
- 1/3 ☐ C All method names must start with an uppercase letter.
- 2/3 ☒ D All non-constant variable names must start with a lowercase letter.

2. According to the course coding standards, which of the following are true?

- 2/3 ☒ A All variables must be declared on their own line.
- 2/3 ☒ B All local variables must be declared at the top of a method.
- 2/3 ☐ C Local variables should not be initialized when they are declared.
- 3/3 ☒ D Comments are required before all class statements and methods.

3. According to the course coding standards, which of the following are true?

- 0/3 ☐ A All local variables must be declared private.
- 3/3 ☒ B All instance variables that need to be used outside of a class need accessor methods (getters and setters).
- 3/3 ☒ C All method names should start with a verb.
- 2/3 ☒ D Local variables should be initialized when they are declared.

4. Which of the following are true?

- 3/3 ☒ A Instance variables get a default value.
- 3/3 ☒ B Local variables are declared in methods.
- 0/3 ☐ C Local variables get a default value.
- 3/3 ☒ D Local variables must be initialized before use.

5. Which of the following is the proper way to determine the size of a dogs array that has been define like this:

```
Dog[] dogs = new Dog[10];
```

- 3/3 ☒ A dogs.length
- 0/3 ☐ B dogs.size
- 0/3 ☐ C dogs.getCount
- 0/3 ☐ D dogs.setSize().length

6. Which of the following is the proper way to create an array of 3 Book objects?

3/3

☒ A `Book[] books = new Book[3];`
`books[0] = new Book();`
`books[1] = new Book();`
`books[2] = new Book();`

0/3

☐ B `Book[] books = new Book(3);`
`books(0) = new Book();`
`books(1) = new Book();`
`books(2) = new Book();`

0/3

☐ C `Book[] books = new Book[3];`
`books[1] = new Book();`
`books[2] = new Book();`
`books[3] = new Book();`

7. Which of the following are true of encapsulation?

1/3

☐ A Getters and setters are marked private.

3/3

☒ B Instance variables are marked private.

2/3

☒ C Getters and setters provide access to the instance variables.

3/3

☒ D Encapsulation provides a way to protect your data.

8. Which of the following will produce a result of 3?

`int x = 14;`
`int y = 4;`

0/3

☐ A `double z = x / y;`

3/3

☒ B `int z = x / y;`

0/3

☐ C `double z = (double) x / y;`

0/3

☐ D `double z = (double) (x / y);`

9. Which of the following will produce a result of 3.5?

```
int x = 14;  
int y = 4;
```

3/3 ☒ A double z = (double) x / y;

0/3 ☐ B int z = x / y;

0/3 ☐ C double z = x / y;

10. Given the following, write the getter for the instance variable below.

```
public class Contact {  
    private int age;  
}
```

Anon anona929bca657db44c5

```
public int getAge () {  
    return age;  
}
```

✗

Anon anonc5bb7f64960e4bc6

```
public int getAge() {  
    return age;  
}
```

✗

Anon anonc6233fa72d6148da

```
✗ public int getAge(){ return age; }
```

11. Given the following, write the setter for the instance variable below.

```
public class Contact {  
    private int age;  
}
```

Anon anona929bca657db44c5

```
    public void setAge(int age) {  
        this.age = age  
    }  
✗
```

Anon anonc5bb7f64960e4bc6

```
    public void setAge(age) {  
        this.age = age;  
    }  
✗
```

Anon anonc6233fa72d6148da

```
    public void setAge (int newAge) {  
        this.age = newAge;  
    }  
✗
```

12. Given the following, write the code to set color on the Flower object to "yellow".

```
public class Flower {  
    private String color;
```

```
    public void setColor(String newColor) {  
        color = newColor;  
    }  
}
```

Anon anona929bca657db44c5

✓ myflower.setColor("yellow");

Anon anonc5bb7f64960e4bc6

✓ myFlower.setColor("yellow");

Anon anonc6233fa72d6148da

✓ myFlower.setColor("yellow");