

## Level 0 Practice Exam #1

Name: \_\_\_\_\_

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1. What are the eclipse shortcuts for the following code:

- a. JOptionPane \_\_\_\_\_
- b. System.out.println() \_\_\_\_\_
- c. main method \_\_\_\_\_
- d. for loop \_\_\_\_\_

2. What is the output of the following code?

```
for(int i=0; i<4; i++){  
    System.out.print(i);  
}
```

- a. abcd
- b. iiii
- c. 0123
- d. 1234

3. What is the output of the following code?

```
String animal = "cat";  
String favoriteFood = "tuna";  
System.out.println("My pet "+animal+" loves to eat  
"+favoriteFood);
```

- a. My pet name loves to eat favoriteFood
- b. My pet tuna loves to eat cat
- c. My pet cat loves to eat tuna
- d. My pet loves to eat

4. Complete the following code to make the robot draw a square:

```
Robot r2d2 = new _____ ();  
  
_____.penDown();  
  
for(int i=0; i< _____; i++){  
  
    r2d2._____ (100);  
  
    r2d2.turn(_____);  
  
}
```

5. Complete the following code so that "just right" is printed:

```
int numPuppies = _____;  
if(numPuppies < 100){  
    System.out.println("not enough");  
}  
else if(numPuppies > 100 && numPuppies < 200){  
    System.out.println("just right!");  
}  
else{  
    System.out.println("too many");  
}
```

6. Add curly braces (mustaches) where they are needed:

```
public class echo

    public static void main(String[] args)

        for(int i=0; i<100; i++)

            System.out.println("ECHO!");
```

7. What is the range of number that could be inside of r1?

```
Random randy = new Random();
int r1 = randy.nextInt(11);
```

Lowest number: \_\_\_\_\_

Highest number: \_\_\_\_\_

8. Which of the following would convert `String age` to an `int`

- a. `int yearsOld.toInt(age);`
- b. `int yearsOld = age;`
- c. `int yearsOld = Integer.parseInt(age);`
- d. `int yearsOld += age;`

9. How would you call the method below:

```
public void sayHello(String name, int age){  
    System.out.println(name + " is " + age + " years old.");  
}
```

- a. sayHello();
- b. sayHello(14);
- c. sayHello("Seth", 15);
- d. sayHello(Keith);

10. Complete the code below so that "good job!" is printed if a score is above 90:

```
String input = JOptionPane.showInputDialog("Enter test score");  
int score = Integer.parseInt(input);  
  
if(score _____){  
    System.out.println("good job!");  
}  
else{  
    System.out.println("better luck next time");  
}
```

11. What is the output of the following code:

```
int numPlayers = 10;  
if(numPlayers%2==0){  
    System.out.println("You can make two even teams!");  
}  
else{  
    System.out.println("Someone has to sit out");  
}
```

- a. You can make two even teams!
- b. Someone has to sit out

12. What is the appropriate variable type to store "Hot Chocolate" ?

- a. String
- b. char
- c. int
- d. boolean
- e. double

13. What is the appropriate variable type to store 17.45 ?

- a. String
- b. char
- c. int
- d. boolean
- e. double

14. What is the appropriate variable type to store a single letter (e.g. 'A') ?

- a. String
- b. char
- c. int
- d. boolean
- e. double

15. What is the appropriate variable type to store `true` or `false` ?

- a. String
- b. char
- c. int
- d. boolean
- e. double