Level 0 Practice Exam #1

Name: _____

GitHub username: _____

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