

## Level 0 Practice Exam #4

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

GitHub username: \_\_\_\_\_



1. Ask the user for their favorite day of the week. If they said “monday”, print “You are lying”.
2. Create a new Robot and use it to draw a circle.
3. Declare and initialize an int variable with your age.
4. Declare and initialize a char variable with the first letter of your name.
5. Declare and initialize a double variable with the cost of a burrito.
6. Declare and initialize a String variable with your name.

7. Ask the user for a number, then use a for loop to print out that number multiplied by each of the numbers from 1 to 10. If the user enters 3, then the program should print out the following numbers: 3 6 9 12 15 18 21 24 27 30.

8. Complete the Processing code below so that there is a green ellipse that moves up the screen:

```
void setup() {  
    size(800,800);  
}
```

```
void draw() {
```

```
}
```

9. Write code that prints a random integer between -47 and 113

10. Write code that calls the method below:

```
public static void main(String[] args){

}

public static int characterCount(char c, String s){
    int count = 0;
    for(int i = 0; i<s.length(); i++){
        if(s.charAt(i)==c){
            count++;
        }
    }
    System.out.println(count);
}
```

11. Write code below that completes the following steps:

- a. Ask the user for how many inches of rain have fallen.
- b. if the amount is less than or equal to 2, tell them “watch out for fires”
- c. else if the amount is greater than 2 **and** less than 10, tell them “the plants are happy”
- d. else tell them “you better buy a boat”

12. Write code below that completes the following steps:
- Create a for loop that goes from 1 to 100
  - Use an if statement and modulo to print out any number that is divisible by 7

13. Write a method called `multiply` that takes two integers and prints out the result of them being multiplied together.

14. What is the output of the following code?

```
for(int i=0; i<6; i+=2){  
    for(int j=0; j<2; j++){  
        System.out.print("A");  
    }  
    System.out.println();  
}
```