**Level 0 Practice Exam #4**league logo.jpg

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(){

}

1. Write code that prints a random integer between -47 and 113
2. 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);

}

1. Write code below that completes the following steps:
   1. Ask the user for how many inches of rain have fallen.
   2. if the amount is less than or equal to 2, tell them “watch out for fires”
   3. else if the amount is greater than 2 **and** less than 10, tell them “the plants are happy”
   4. else tell them “you better buy a boat”
2. Write code below that completes the following steps:
   1. Create a for loop that goes from 1 to 100
   2. Use an if statement and modulo to print out any number that is divisible by 7
3. Write a method called multiply that takes two integers and prints out the result of them being multiplied together.
4. 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();

}