**While Loop Lab**

Create a new project named while\_loop\_lab with a new class named WhileLoopLab. Your main method should call each method you write below.

Make sure you use comments and correct java conventions.

1. Create a new method that contains a while loop that will print your name to the console 5 times.
2. Create a new method that has a Boolean variable named flag which is initially set to false. The method also contains a while loop that will print your name to the console 5 times. The flag is only set to true after your name has been printed 5 times which will cause the while loop to exit.
3. Create a new method that contains a while loop that will print the numbers 1 through 10 and also printing if the number is odd or even:

1 is an odd number

2 is an even number

3 is an odd number

4 is an even number

…

1. Create a new method that contains a while loop that will loop as long as i is less than 30. Inside your method, increment i by 3. Print “loop” inside your while loop.
2. Create a new method that has a boolean variable named flag that is initially set to false. The method also contains a while loop that will read each character of the String “California”. When you get to the character ‘r’, print “character found at position” + I and set the flag to true so the loop will stop.