

Credit Name: CSE2140 2nd Language Programming

Assignment Name: Prime Number Mastery

Describe the errors you've encountered while working on this assignment. What caused the error and how do you overcome the error?

It print both answers. 1 of the system.out.print was outside the loop.

```
Please enter an integer: 9
9 is not a prime number.9 is a prime number.
```

```
Please enter an integer: 9
9 is not a prime number.
```

That answer is not the correct. Forgot to add a break in the nested loop statement and needed to change it to prime == 1. Separated it to make it easier to understand.

```
Please enter an integer: 7
7 is not a prime number.
```

```
while (prime > 0) {
    prime --;
    if (userNum % prime != 0) {
        if (prime == 0) {
            System.out.print(userNum + " is a prime number.");
        }
        continue;
    }
    else {
        System.out.print(userNum + " is not a prime number.");
        break;
    }
}
```

```
while (prime > 0) {
    prime --;
    if (userNum % prime != 0) {
        continue;
    }
    else if (prime == 1) {
        System.out.print(userNum + " is a prime number.");
        break;
    }
    else {
        System.out.print(userNum + " is not a prime number.");
        break;
    }
}
```

```
Please enter an integer: 7
7 is a prime number.
```