Reflection Logs

Credit name: Chapter 6
Assignment Name: Mastery - PrimeNumber

```java
    public static Boolean isPrime(int count) {

    if (count==2) {
        System.out.print("This is a prime number.");
        return (true);
    }
    else {
        System.out.print("This is not a prime number.");
        return (false);
    }
}
```

Create an isPrime() method with a "count" parameter. This "count" parameter in integer data value plays a role of counting how many times the user's input number is divided by a list of numbers from 1 to that number that have a remainder of 0. For instance, number 3 will have a list of numbers [1,2,3] and value [1,3] have a remainder of 0 when divided for 3, so that count=2.

```java
public static void main(String[] args) {
    Scanner userinput = new Scanner (System.in);

    System.out.print("Enter your number: ");
    int number = userinput.nextInt();

    int count = 0;
    for (int i = 1; i<=number;i++) {
        if (number%i==0) {
            count += 1;
        }
    }
    isPrime(count);
}
```

In public static void main(String[] agrs), prompts the user to enter a number.

Use the for loop to create a list of numbers from 1 to the user's input number. Inside the loop, use the if statement to see if the user's input divided by numbers from the list have a remainder of 0; whenever it happens, the value of count will be added by 1.

After the loop, use the isPrime() method with a count parameter to check if the number is a prime number or not.