PrimeNumber Error Logs -

Ran into several errors in this program. The first one was isPrime() giving an error since I had not actually mentioned a return statement outside of the for loop

```
public static boolean isPrime() {
    // Declaration and initiation, asking for input
    Scanner Input = new Scanner(System.in);
    System.out.print("Enter a number - ");
    int num = Input.nextInt();

    // Creates a while loop which executes until checker is equal to the num
    for (int i = 1; i < num; i++) {
        // If the remainder when dividing is ever 0, the number is not prime
        if ((num % i) == 0) {
            return(false); }
        // Otherwise it is prime
        else {
            return(true); }
    }
}
```

Fixed it by adding it outside of the loop

```
public static boolean isPrime(int num) {

    // Creates a for loop which executes until checker is equal to the num
    for (int i = 1; i < num; i++) {
        // If the remainder when dividing is ever 0, the number is not prime
        if ((num % i) == 0) {
            return(false); }
    }

    // returns true in case it did not return false earlier
    return true;
}
```

Afterwards the program ran into some kind of error, displaying every number as not prime. After some troubleshooting I found out that “i” was always set as 1

```
Enter a number - 13
The number is not prime
```

Changing the initial value of “i” to 2 fixed the error

```
for (int i = 2; i < num; i++) {
    // If the remainder when div
    if ((num % i) == 0) {
        return(false); }
}
```