

## Error Logs - PrimeNumbers [Mastery]

```
if (user_num == 1 || user_num == 0) //If the users inputed number is 1, 0 , or a negative number
{
    prime = true;
}

for (i = 2; i <= user_num / 2; ++i);|
{
    if (user_num % i == 0) //if the remainder is 0, than that means the number is not a prime
    {
        prime = true;
    }
}

if (!prime) //if prime is not true
{
    System.out.print("Your number is prime.");
}
else //if prime is true
{
    System.out.print("Your number isn't prime.");
}
```

#1 Error: The for loop has a semicolon at the end, so it doesn't read what is inside the curly brackets.

#1 Fix:

```
for (i = 2; i <= user_num / 2; ++i)
{
    if (user_num % i == 0) //if the remainder is 0, than that means the number is not a prime
    {
        prime = true;
    }
}

if (!prime) //if prime is not true
{
    System.out.print("Your number is prime.");
}
else //if prime is true
{
    System.out.print("Your number isn't prime.");
}
```

Removed the semicolon at the end of the for loop, and the program works properly!

