

## Reflection Logs

Credit name: Chapter 5

Assignment Name: Mastery - PrimeNUmber

```
System.out.print("Enter a number and the program will check if is the number is a prime number or not: ");  
int Prime = userInput.nextInt();
```

Set in input for user to enter their number

```
int COUNT = 0;  
  
for (int i = 1; i <=Prime; i++) {  
    if (Prime%i==0) {  
        COUNT += 1;  
    }  
}
```

Use the for loop to make a list of numbers from 1 to the user's number as a divisors. Then use the if statement of with the condition when the user's chosen number divisibility by any divisor by using modulo (%), the COUNT increases by 1.

```
if (COUNT==2) {  
    System.out.print("Your number is a prime number");  
}  
else {  
    System.out.print("Your number is not a prime number");  
}
```

Using the If statement, if COUNT = 2, the user's chosen number is a prime number. Else, the number is not a prime number.