Credit
2110
Assignment
E3 PrimeNumber

How has your program changed from planning to coding to now? Please explain?

```java
public static boolean isPrime(int inputNumb) {

    //makes a variable to see if number is prime
    boolean isprime = true;

    if (inputNumb <= 1) {
        isprime = false; // to change is prime variable to false saying the number is not prime
    } else {
        for (int i = 2; i < inputNumb; i++) { //loop to cycle if number is a prime
            if (inputNumb % i == 0) { //if number can be divided without an reminds
                isprime = false; // to change is prime variable to false saying the number is not prime
                break; // to end loop
            }
        }
    }
    return(isprime);//returns an output
}
```

Created a method for the code

Created reset button

```java
JButton resetpress = new JButton("Reset");
resetpress.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        numbinput.setText("Input your number");//to reset text
        output.setText("Waiting For Check"); // to reset text
    }
```
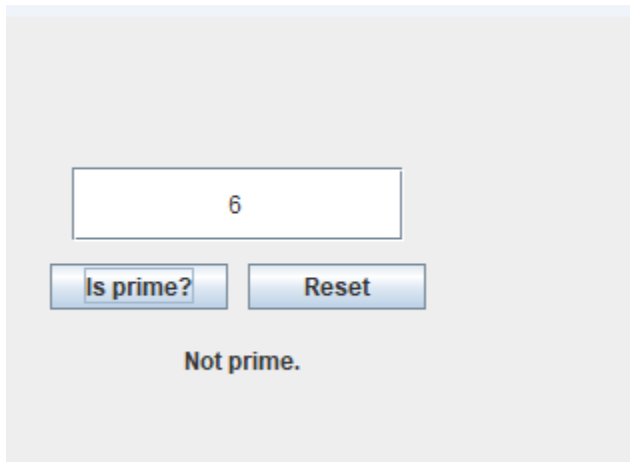
Main functioning part of code

```java
JButton press = new JButton("Is prime?");
press.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String txtinput = numbinput.getText();   //pulls value that user inputed
        int numberinput = Integer.parseInt(txtinput); // converts input to integer so i can use math functions on it

        if (isPrime(numberinput)) { // to check if the number is prime
            output.setText("This number is a prime number.");//states it is prime
        } else { // if the number is not a prime number
            output.setText("This number is not a prime number."); //it is not prime
        }
    }
```
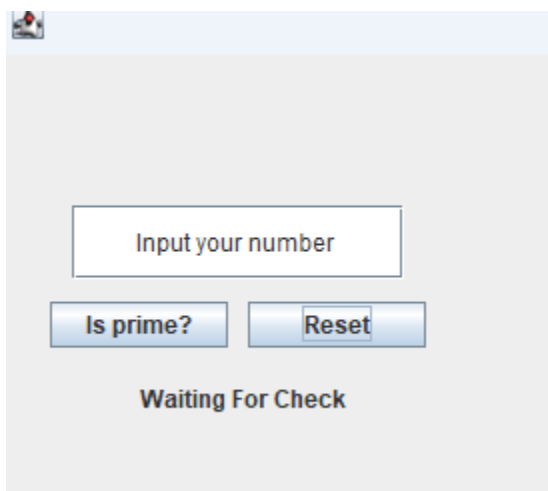
Uses method and if and else to state if it is prime

```java
if (isPrime(numberinput)) { // to check if the number is prime
    output.setText("Prime.");//states it is prime
} else { // if the number is not a prime number
    output.setText("Not prime."); //it is not prime
}
```

Changed it to fit in text box

It all fits within the text box good

Reset button works too

Code is done. Just comment touch ups and grammar