OOPM - MOCK PRACTICAL
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<u>AIM</u>: Write a JAVA program to demonstrate the concept of arithmetic operators.

<u>Program</u>:

```java
import java.lang.*;
import java.util.*;
public class ArithmeticOperators {
        public static void main(String[] args) {

        int a = 12, b = 5;   //declaring,initializing the variables.

        System.out.println("a + b = " + (a + b));    // addition operator
        System.out.println("a - b = " + (a - b));     // subtraction operator
        System.out.println("a * b = " + (a * b));     // multiplication operator
        System.out.println("a / b = " + (a / b));     // division operator
        System.out.println("a % b = " + (a % b));   // modulo operator
    }
}
```

Writeup:

Here, I have imported java.lang package and java.util package to use the basic operations and functions in java.

I created a parent class named $ Arithmetic Operators in which I created a public static void main method as the entry point of the code.
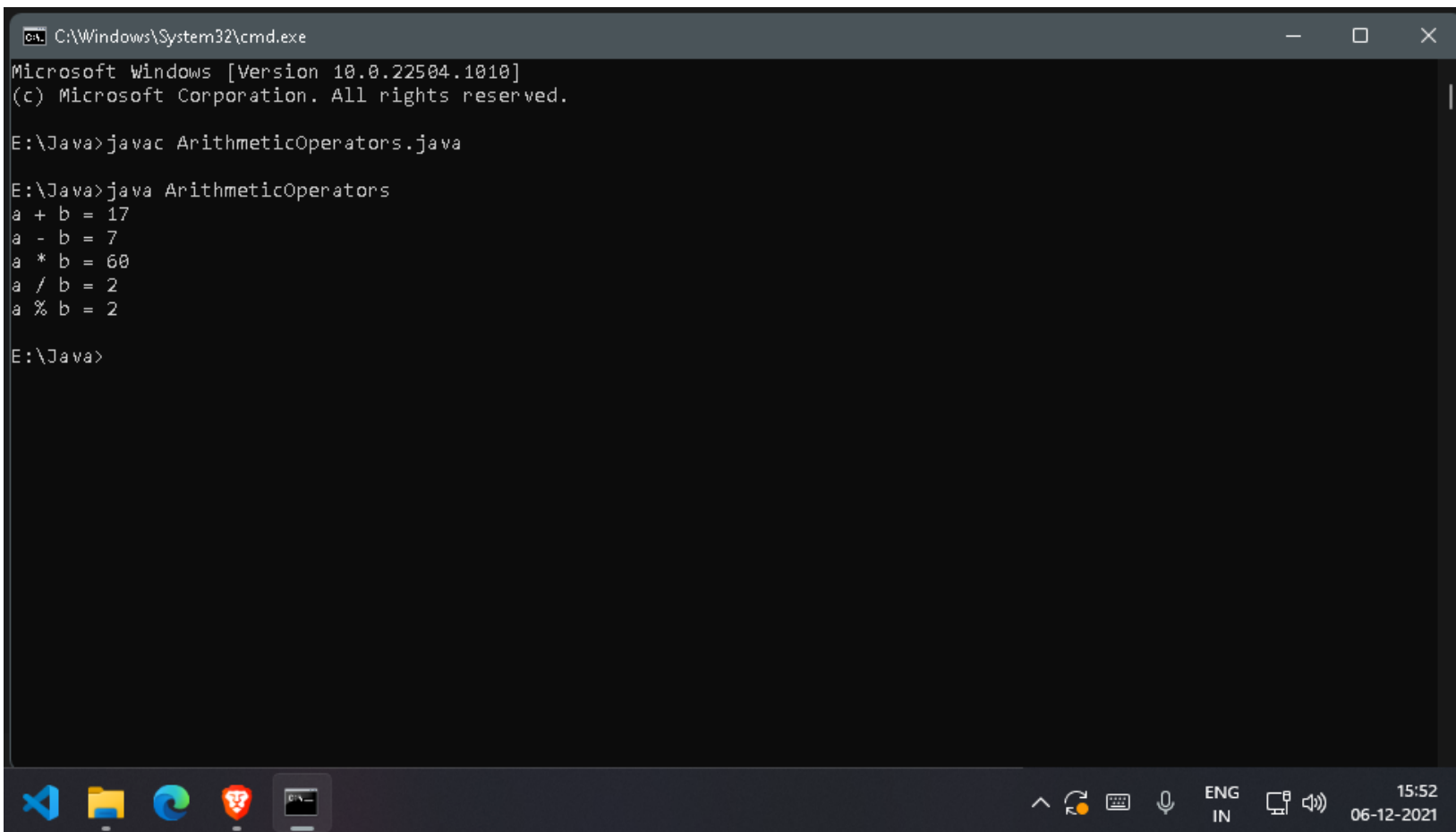
Then, we declared and initialized two variables a & b, and further we implemented the Arithmetic Operators on these variables and printed out the answer of those operators on the output screen.

In the above code, we have implemented

- Addition operator.

- Subtraction operator.

- Multiplication operator.

- Division operator.

    and

- Modulo operator.

OUTPUT:

```
C:\Windows\System32\cmd.exe                                    —    □    ✕

Microsoft Windows [Version 10.0.22504.1010]
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E:\Java>javac ArithmeticOperators.java

E:\Java>java ArithmeticOperators
a + b = 17
a - b = 7
a * b = 60
a / b = 2
a % b = 2

E:\Java>
```