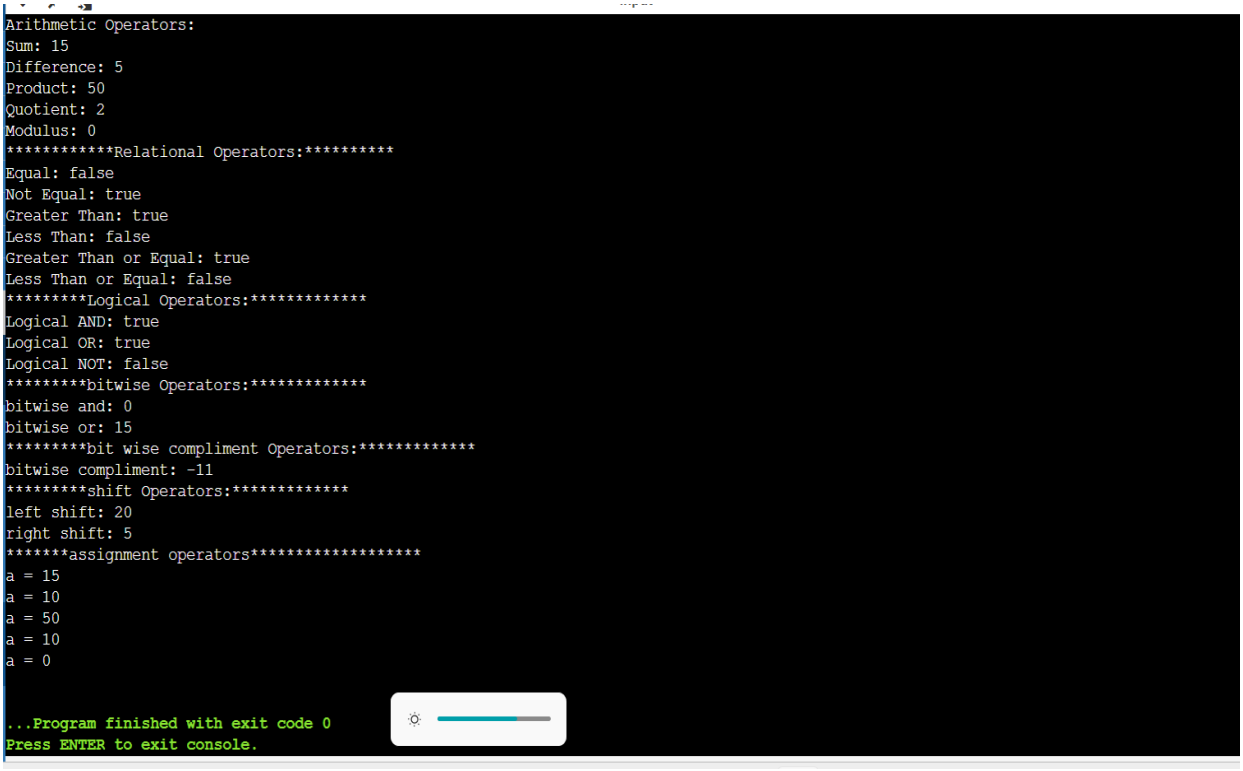
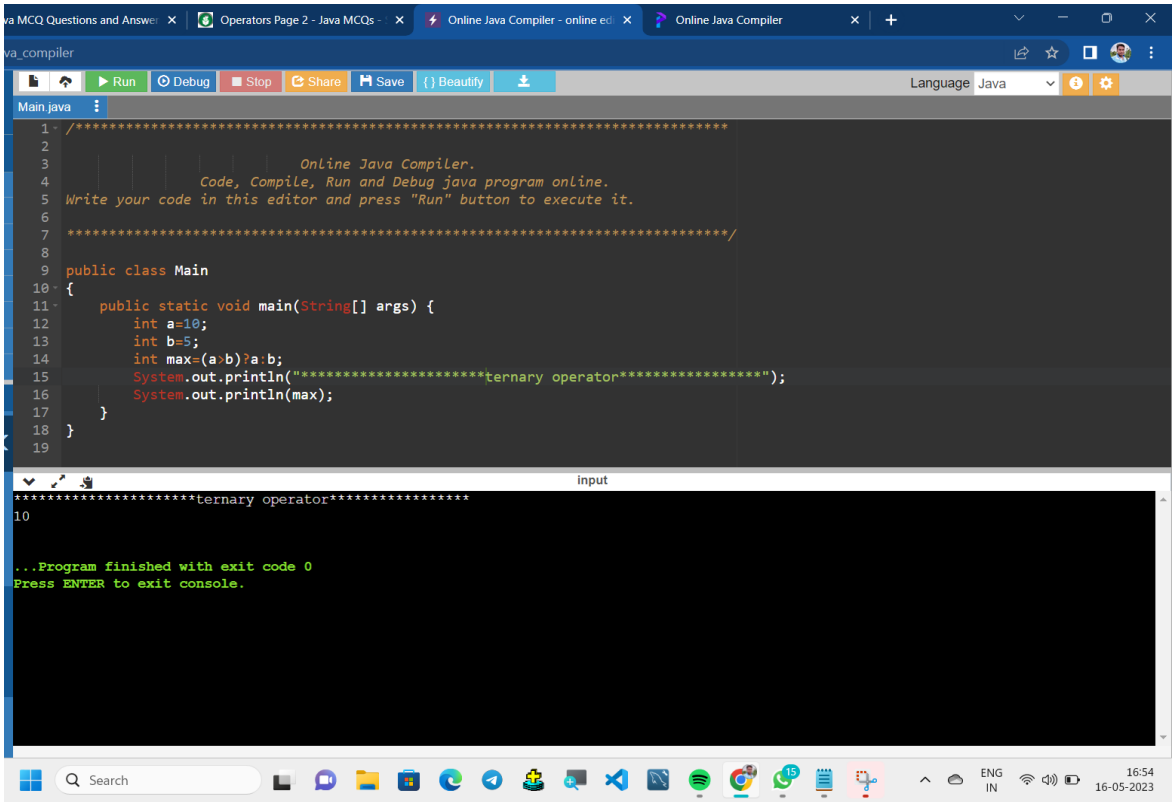
```
**********************************************************************************/

public class Main
{
        public static void main(String[] args) {
            int a = 10;
    int b = 5;

    // Arithmetic Operators
    int sum = a + b;
    int difference = a - b;
    int product = a * b;
    int quotient = a / b;
    int modulus = a % b;
    System.out.println("Arithmetic Operators:");
    System.out.println("Sum: " + sum);
    System.out.println("Difference: " + difference);
    System.out.println("Product: " + product);
    System.out.println("Quotient: " + quotient);
    System.out.println("Modulus: " + modulus);


    // Relational Operators
    boolean equal = a == b;
    boolean notequal = a != b;
    boolean grater = a > b;
    boolean less = a < b;
    boolean graterOrEqual = a >= b;
    boolean lessOrEqual = a <= b;
    System.out.println("**********Relational Operators:**********");
    System.out.println("Equal: " + equal);
```

```
System.out.println("Not Equal: " + notequal);
System.out.println("Greater Than: " + grater);
System.out.println("Less Than: " + less);
System.out.println("Greater Than or Equal: " + graterOrEqual);
System.out.println("Less Than or Equal: " + lessOrEqual);


// Logical Operators
boolean and = (a > 0) && (b > 0);
boolean or = (a > 0) || (b > 0);
boolean not = !(a > 0);
 System.out.println("*********Logical Operators:*************");
System.out.println("Logical AND: " + and);
System.out.println("Logical OR: " + or);
System.out.println("Logical NOT: " + not);


// Bitwise Operators
int bitwiseAnd = a & b;
int bitwiseOr = a | b;
System.out.println("*********bitwise Operators:*************");
System.out.println("bitwise and: " + bitwiseAnd);
System.out.println("bitwise or: " + bitwiseOr);

// bit wise compliment
int bitwiseComplement = ~a;
System.out.println("*********bit wise compliment Operators:*************");
System.out.println("bitwise compliment: " + bitwiseComplement);
// shift operators
int leftShift = a << 1;
int rightShift = a >> 1;
```

```
        System.out.println("*********shift Operators:*************");
        System.out.println("left shift: " + leftShift);
        System.out.println("right shift: " + rightShift);

        System.out.println("*******assignment operators****************** " );
        //***********assignment operators
        // += operator
          a += b;
        System.out.println("a = " + a);
        // -= operator
        a -= b;
        System.out.println("a = " + a);
        // *= operator
        a *= b;
        System.out.println("a = " + a);
        // /= operator
        a /= b;
        System.out.println("a = " + a);
        // %= operator
        a %= b;
        System.out.println("a = " + a);
            }

}




//*************Output******************
```


Arithmetic Operators:
Sum: 15
Difference: 5
Product: 50
Quotient: 2
Modulus: 0
**********Relational Operators:**********
Equal: false
Not Equal: true
Greater Than: true
Less Than: false
Greater Than or Equal: true
Less Than or Equal: false
*********Logical Operators:*************
Logical AND: true
Logical OR: true
Logical NOT: false
*********bitwise Operators:*************
bitwise and: 0
bitwise or: 15
*********bit wise compliment Operators:*************
bitwise compliment: -11
*********shift Operators:*************
left shift: 20
right shift: 5
*******assignment operators******************
a = 15
a = 10
a = 50
a = 10
a = 0
...Program finished with exit code 0
Press ENTER to exit console.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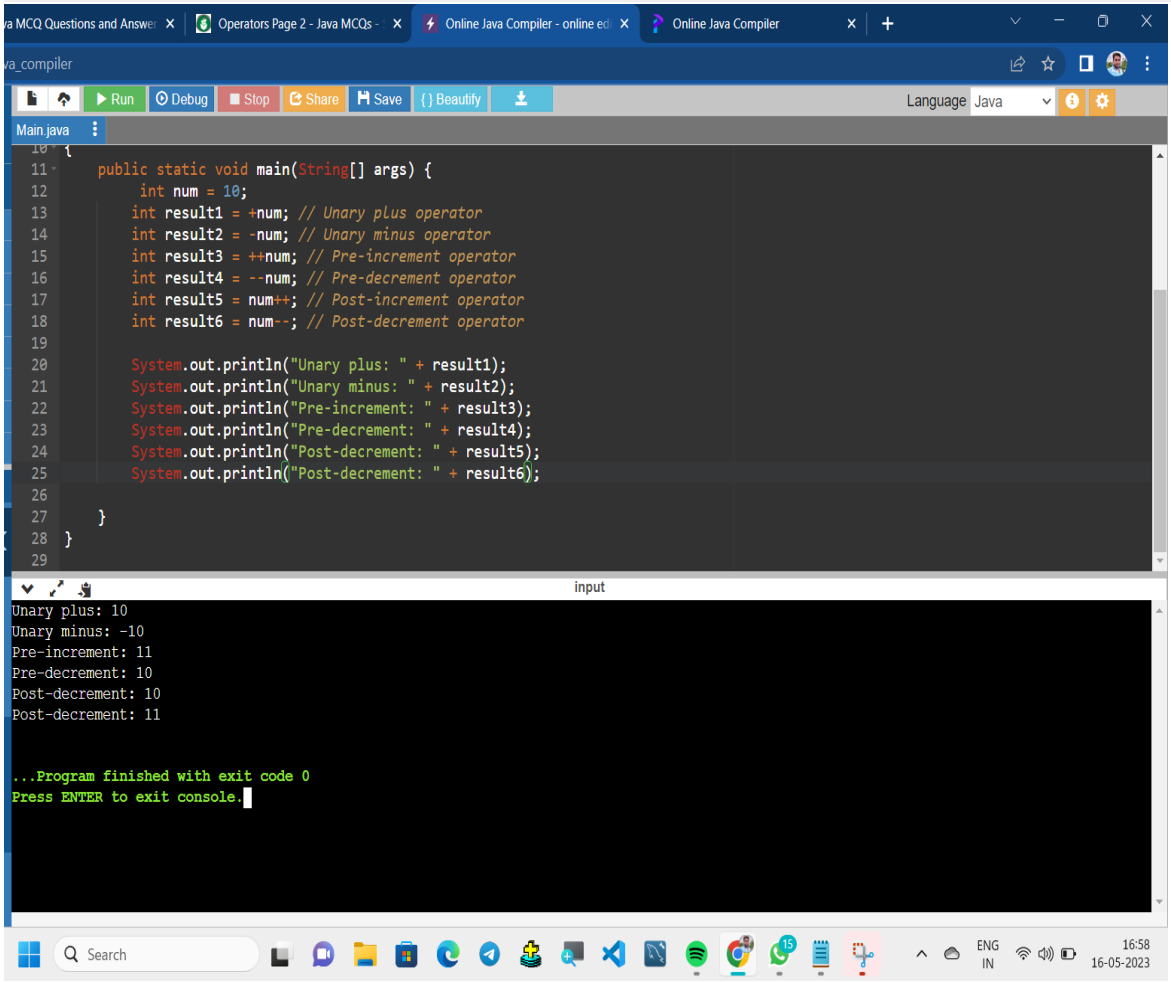
{ } Beautify
Language
Java
Main.java
/***
Online Java Compiler.
Code, Compile, Run and Debug java program online.
Write your code in this editor and press "Run" button to execute it.
***/
public class Main
{
public static void main(String[] args) {
int a=10;
int b=5;
int max=(a>b)?a:b;
System.out.println("**********ternary operator**********");
System.out.println(max);
}
}
input
**********ternary operator**********
10
...Program finished with exit code 0
Press ENTER to exit console.
Search
ENG
IN
16:54
16-05-2023


Operators Page 2 - Java MCQs -
Online Java Compiler - online ed
Online Java Compiler
va_compiler
Run
Debug
Stop
Share
Save
{ } Beautify
Language
Java
Main.java
{
public static void main(String[] args) {
int num = 10;
int result1 = +num; // Unary plus operator
int result2 = -num; // Unary minus operator
int result3 = ++num; // Pre-increment operator
int result4 = --num; // Pre-decrement operator
int result5 = num++; // Post-increment operator
int result6 = num--; // Post-decrement operator
System.out.println("Unary plus: " + result1);
System.out.println("Unary minus: " + result2);
System.out.println("Pre-increment: " + result3);
System.out.println("Pre-decrement: " + result4);
System.out.println("Post-decrement: " + result5);
System.out.println("Post-decrement: " + result6);
}
}
input
Unary plus: 10
Unary minus: -10
Pre-increment: 11
Pre-decrement: 10
Post-decrement: 10
Post-decrement: 11
...Program finished with exit code 0
Press ENTER to exit console.
Search
ENG
IN
16:58
16-05-2023