

## Static Block for Complex Initialization

Write a Java program to create a class called "ComplexInitializer" with a static block that initializes multiple static variables (x, y, z) using complex logic. Print the values of these variables in the main method.

### Sample Solution:

#### Java Code:

##### ComplexInitializer.java

```
// Define the ComplexInitializer class
public class ComplexInitializer {
    // Declare static variables x, y, z
    private static int x;
    private static int y;
    private static int z;


    // Static block to initialize the static variables using complex logic
    static {
        x = 10;
        y = 20;
        z = calculateZ(x, y);
    }

    // Static method to calculate the value of z
    private static int calculateZ(int a, int b) {
        return a * b + (a - b);
    }

    // Main method to print the values of the static variables
    public static void main(String[] args) {
        System.out.println("Value of x: " + x);
        System.out.println("Value of y: " + y);
        System.out.println("Value of z: " + z);
    }
}
```

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Output:



```
Value of x: 10  
Value of y: 20  
Value of z: 190
```

**Explanation:**