

ASSIGNMENT 8

SUBMITTED BY

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■ Can we add any statement exactly below break; and continue?

No, you cannot add any statements immediately below the break or continue statement inside a loop. The break statement is used to exit the loop prematurely, and the continue statement is used to skip the rest of the current iteration and move to the next iteration of the loop. Any statements placed below these statements will become unreachable and will never be executed.

Example:

```
public class Demo6
{
    public static void main(String[]args)
    {

for (int i = 0; i < 10; i++) {
    if (i == 5) {
        System.out.println("Before break");
        break;
        System.out.println("After break"); // This will not be printed
    }
    System.out.println(i);
}
}}
```

The line `System.out.println("After break");` will not be executed because it is placed after the break statement.

```
public class Demo6
{
public static void main(String[] args)
{
    for (int j = 0; j < 10; j++) {
        if (j % 2 == 0) {
            System.out.println("Before continue");
            continue;
            System.out.println("After continue"); // This will not be printed
        }
        System.out.println(j);
    }}
}
```

The line `System.out.println("After continue");` will not be executed because it is placed after the `continue` statement.

Both `break` and `continue` cause an immediate change in the control flow of the loop, and any code placed after them within the same block will be unreachable.