

NCP2103: Object-Oriented Programming (Java Programming)

Java break and continue Statement

Errol John M. Antonio

Assistant Professor
Computer Engineering Department
University of the East – Manila Campus

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University of the East
Manila Campus

NCP2103: Object-Oriented Programming
erroljohn.antonio@ue.edu.ph

Module Outline

- I. Introduction
- II. `break` Statement
- III. `continue` Statement



Introduction

- While working with loops, it is sometimes desirable to skip some statements inside the loop or terminate the loop immediately without checking the test expression.
- In such cases, **break** and **continue** statements are used.



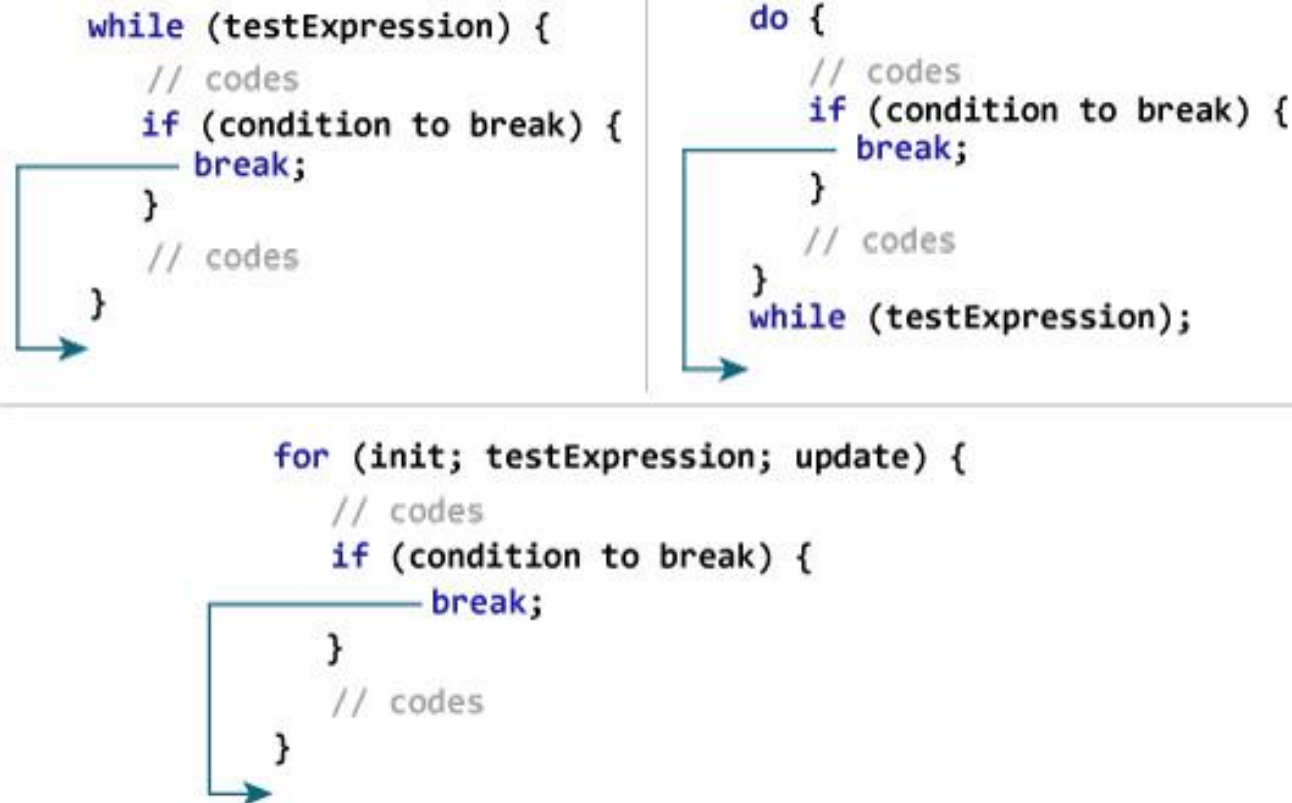
l: break Statement

- The **break** statement in Java **terminates the loop immediately**, and the control of the program moves to the next statement following the loop.
- It is almost always used with decision-making statements (Java if...else Statement).
- Syntax:
break;



break Statement

- How **break** statement works?

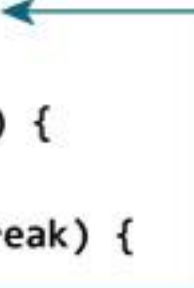


break Statement

```

while (testExpression) {
    // codes
    while (testExpression) {
        // codes
        if (condition to break) {
            break;
        }
        // codes
    }
    // codes
}

```



```

label:
for (int; testExpression, update) {
    // codes
    for (int; testExpression; update) {
        // codes
        if (condition to break) {
            break label;
        }
        // codes
    }
    // codes
}

```




break Statement

See attached source files.



continue Statement

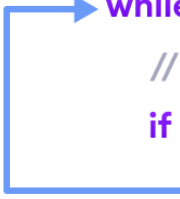
- The continue statement **skips the current iteration of a loop** (for, while, do...while, etc).
- After the continue statement, **the program moves to the end of the loop**. And, test expression is evaluated (update statement is evaluated in case of the for loop).
- Syntax:

continue;




continue Statement


```
while (testExpression) {  
    // codes  
    if (testExpression) {  
        continue;  
    }  
    // codes  
}
```



```
do {  
    // codes  
    if (testExpression) {  
        continue;  
    }  
    // codes  
} while (testExpression);
```

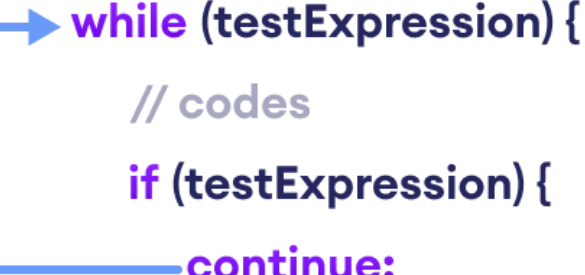


```
for (init; testExpression; update) {  
    // codes  
    if (testExpression) {  
        continue;  
    }  
    // codes  
}
```




continue Statement

```
while (testExpression) {  
    // codes  
    while (testExpression) {  
        // codes  
        if (testExpression) {  
            continue;  
        }  
        // codes  
    }  
    // codes  
}
```



label:

```
while (testExpression) {  
    // codes  
    while (testExpression) {  
        // codes  
        if (testExpression) {  
            continue label;  
        }  
        // codes  
    }  
    // codes  
}
```



continue **Statement**

See attached source files.



End of Module.



REFERENCE:

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