Java Control Statements | Control Flow in Java

Java provides three types of control flow statements.

1. Decision Making statements
   - if statements
   - switch statement

2. Loop statements
   - do while loop
   - while loop
   - for loop
   - for-each loop

3. Jump statements
   - break statement
   - continue statement

Decision-Making statements:

As the name suggests, decision-making statements decide which statement to execute and when.

1) If Statement:

In Java, the "if" statement is used to evaluate a condition. The control of the program is diverted depending upon the specific condition. The condition of the If statement gives a Boolean value, either true or false.

2) if-else statement

The if-else statement is an extension to the if-statement, which uses another block of code, i.e., else block.

3) if-else-if ladder:

The if-else-if statement contains the if-statement followed by multiple else- if statements. In other words, we can say that it is the chain of if-else statements that create a decision tree where the program may enter in the block of code where the condition is true.

4) Nested if-statement

In nested if-statements, the if statement can contain a **if** or **if-else** statement inside another if or else-if statement.

Switch Statement:

In Java, Switch statements are similar to if-else-if statements. The switch statement contains multiple blocks of code called cases and a single case is executed based on the variable which is being switched.

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