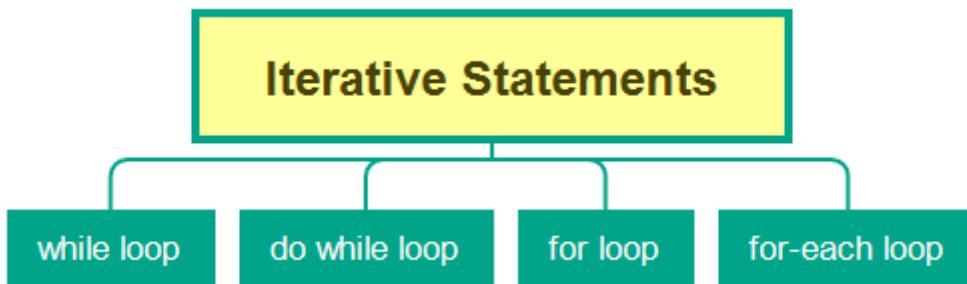


## Iterative Statements

Iterative Statements helps us in executing the same block of code multiple times.

- Iterative Statements executes the same set of code until the loop condition is satisfied. (View screen-shot [here](#))
- Different types of Iterative Statements:



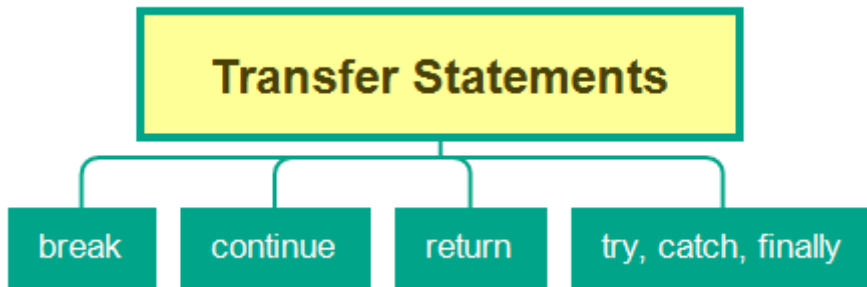
- **while loop**
  - while loop executes the same block of code multiple times i.e. until the boolean condition turns false.
  - while loop tests the condition before executing the code in loop body. (View [here](#))
  - Syntax: View [here](#)
  - Demonstrate while loop
    - Demonstrate the while loop when the condition is always true (Demonstrate [here](#))
      - Loop will be iterated infinite times as the condition is always true
    - Demonstrate the while loop when the condition is false (Demonstrate [here](#))
      - Loop won't be executed at-least once as the condition is false.
    - Demonstrate the while loop where the condition is initially true and after few iterations is turned false (Demonstrate [here](#))
      - Loop will be executed until the condition turns false.
- **do while loop**
  - do-while loop works similar to while loop, but the block of code will be executed at-least once even after the condition is false
  - Unlike while loop, do-while loop tests the condition after executing the code in loop body. (View [here](#))
  - Syntax: View [here](#)
  - Demonstrate the do-while loop where the condition is initially true and after few iterations has turned false (Demonstrate [here](#))
    - Loop will be iterated multiple times until the condition becomes false
- **for loop**
  - for loop is the most commonly used loop in Java and is used when we know the number of iterations in advance.
  - for loop executes the same block of code multiple times, until the boolean condition turns false.
  - Though while loop and for loop work in the similar manner, while loop is preferred over for loop when we don't know the number of iterations in advance. (View [here](#))
  - Syntax: View [here](#)
  - Demonstrate the for loop when the condition is initially true and after few iteration has turned false (Demonstrate [here](#))
    - Loop will be iterated multiple times until the condition becomes false
- **for-each loop**
  - Will be explained later, as it is generally used with Arrays and Collections.

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## Transfer Statements

Transfer statements are used to transfer the flow of execution from one block of code to a different block of code.

- Different types of Transfer Statements:



- **break;**
    - The purpose of the break; statement is to come out of the statements based on some condition.
    - Demonstrate the usage of break; statements inside any loop statement (Demonstrate [here](#))
  - **continue;**
    - The purpose of the continue statement is to skip the current iteration of a loop based on some condition and continue with the next iteration.
    - Demonstrate on how to use continue; statements inside any loop statement (Demonstrate [here](#))
  - **return**
    - Will be explained later, as it is used with methods.
  - **try, catch, finally**
    - Will be explained later, as it is used in Exception Handling
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