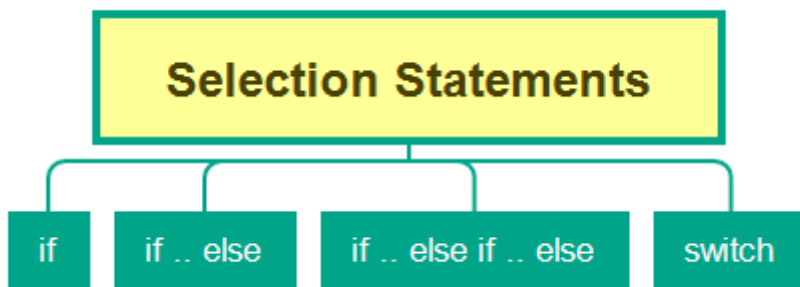


Selection Statements

Selection Statements have one or more conditions which return either true or false when evaluated.

- Based on the returned value, the set of code will be executed.
 - When condition is true, the set of code will be executed.
 - When condition is false, the set of code won't be executed.
- Different types of Java Selection Statements:



- if statements**
 - Code inside the **if** decision making statement executed only when the condition provided inside if decision making statement returns true. (View screenshot [here](#))
 - Syntax (View screenshot [here](#))
 - Demonstrate **if** decision making statement
 - Demonstrate the execution of the statements inside if block when the if condition is true. (Demonstrate [here](#))
 - Demonstrate that statements inside if block are skipped from execution when the if condition is false. (Demonstrate [here](#))
- if ... else statements**
 - While using **if ... else** decision making statement, code inside if block gets executed when the if condition is true and code inside else block gets executed when the if condition is false. (View screenshot [here](#))
 - Syntax (View screenshot [here](#))
 - Demonstrate if else decision making statement
 - Demonstrate the execution of statements inside if block when the if condition is true (Demonstrate [here](#))
 - Demonstrate the execution of statements inside else block when the if condition is false (Demonstrate [here](#))
- if ... else if ... else statements**
 - if .. else if .. else** statements contains more than one conditions. If the first if condition returns false, the code inside the if block will be skipped and control will be taken to the next conditions i.e. **else if conditions**. If all the **else if** conditions return false, the code inside else if blocks will be skipped and the code inside the else block without condition will be executed. (View screenshot [here](#))
 - Syntax (View screenshot [here](#))
 - Demonstrate the program when all the if and else if conditions have returned false and code inside the else block is executed (Demonstrate [here](#))
 - Demonstrate the program when the if condition has returned true and code inside the if block got executed skipping all the remaining else if and else blocks (Demonstrate [here](#))
 - Demonstrate the program when one of the else if condition has returned true and code inside that else if block got executed skipping all the remaining if, else if and else blocks (Demonstrate [here](#))
- switch statements**
 - Based on result of a condition expression, switch case chooses one of many possibilities. (View screenshot [here](#))
 - Syntax (View screenshot [here](#))
 - The result of a condition expression needs to result a int or character or a string value.

- Demonstrate switch case (Demonstrate [here](#))
 - Demonstrate switch case which dont match any case and executes the code in the default section. (Demonstrate [here](#))
 - Demonstrate what happens when we dont provide break; statements inside the cases. (Demonstrate [here](#))
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