

DIFFERENCE BETWEEN ELSE IF LADDER AND SWITCH STATEMENT

<u>Basis of Comparison</u>	<u>Else-if ladder</u>	<u>Switch statement</u>
Testing	Tests both logical expressions and equality	Tests only equality
Default Execution	If none of the conditions are evaluated to true, then by default the statements in the else block is executed	If the condition inside switch statements does not match any of the cases, the statement in default is executed
Speed of execution	When multiple conditions are present, the speed of execution will be slow	When multiple conditions are present, the speed of execution will be fast
Values	Based on constraint	Based on user choice
Use of break keyword	Break keyword is not used	Break keyword is used
Execution flow	The conditions are executed sequentially until a true condition is found and statements in it are executed	If a matching case label is found in switch statement, the program execution jumps to that case and executes the statements until it encounters break keyword