Topic : **Control Flow Statements**

Learning Level : **Easy and Medium**

Q. No	Question
Control Flow Statements Introduction	
1	Understand the fundamental concepts of control flow statements.
2	Learn about if, if...else, and if...else if...else statements and their usage in controlling the flow of execution based on conditions.
3	Explore for, while, and do...while loops and how they control the repetition of code until a certain condition is met.
Non-Branching Statements	
4	Understand the purpose and usage of break, continue in altering the flow of control within loops and switch statements.
Switch Statements	
5	Study the switch statement and its role in executing different blocks of code based on the value of an expression.
Control Flow Mechanisms	
6	Understand how each control flow statement alters the program's flow and when to use them based on problem requirements.
Conditional Expressions with Operators	
7	Learn how to pass conditions using comparison operators (==, !=, <, >, <=, >=), logical operators (&&, ||, !), and ternary operator (? :).
Loop Optimization Techniques	
8	Study best practices for optimizing loops, including minimizing loop iterations and avoiding unnecessary calculations within loops.