C Programming Assignment - 26

1. Explain the flow of control in a `for` loop step by step.

2. What is the importance of **loop counters** in iterative statements?

3. What will happen if we **forget to increment/decrement** the loop counter inside a loop?

4. What is the difference between a **simple if** and an **if-else** statement?

5. Can an `else` be used without an `if`? Why or why not?

6. What happens if you write a semicolon (;) immediately after an `if` condition?

7. Compare **time efficiency** of `if-else-if` ladder and `switch-case`.

8. When is it more appropriate to use `switch` instead of `if-else`?

9. What is the **default case** in a `switch` statement? Is it mandatory?

10. What will happen if there is no **break** statement inside a `switch` case?