

C Language

Self Exercises

Chapter - 6

Control Structure

RED & WHITE MULTIMEDIA EDUCATION

Shaping “skills” for “scaling” higher...!!!

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Self Exercises #6.1

Q.1 What is a control structure in C programming? Why is it important? Discuss the role of control structures in defining the flow of execution in a program.

Q.2 Differentiate between sequence, selection, and iteration control structures. How do control structures contribute to the organization and logic of a program?

Q.3 What is an if statement in C language? How is it used in programming? Discuss the syntax of the if statement in C, including the use of condition and body.

Q.4 Provide examples demonstrating the usage of if statements for conditional execution. Explain the significance of the relational and logical expressions in if statements.

Q.5 Define the if-else statement in C language. What is its purpose? Discuss the syntax of the if-else statement and the structure of its conditional branches.

Q.6 Provide examples illustrating the usage of if-else statements for handling alternative conditions.

Q.7 What is a ladder statement in C programming? How does it differ from if-else statements? Discuss the structure and syntax of a ladder statement in C.

Q.8 Provide examples demonstrating the implementation of ladder statements for multiple conditional branches.