

Computer Science - 10th Class Computer Science English Medium Chapter 3 Preparation

Q1. What is if-else-if statements.

Ans 1: The if-else if is a type of conditional statements that combines more than two conditions it allows the programmer to make a decision based on several conditions.

Q2. Nested Selection Structures.

Ans 1: Selection statements within selection statements are called nested selection statements.

Q3. What is sequential control Statements.

Ans 1: In sequential control, all the statements are executed in the given sequence. Sequential control is the default control structure in C language.

Q4. Why we need control Statements.

Ans 1: In order to solve a problem, there is a need to control the flow of execution of a program. Sometimes we need to execute one set of instruction if a particular condition is true and another condition if false. Moreover, sometimes we need to repeat a set of statements for a number of times.

Q5. Define if statement with syntax.

Ans 1:

If statement is used to specify a condition, and associate a code to it. The code gets executed if the specified condition turns out to be true, otherwise the code does not get executed.

Syntax:

if (condition)

Associated code

Q6. Define the Control Statements ?

Ans 1:

The flow of program execution is controlled through control statements. We can control the flow of program execution through control statements. There are three types of control statements in C language.

1. Sequential Control Statements.
2. Selection Control Statements.
3. Repetition Control Statements.

Q7. What is repetition (Loop) Control Statements ?

Ans 1:

Repetition Control Statements are used to repeat a number of statements up to a specified number of times or until a specified condition fulfilled. There are three types of loops which are used in C program:

1. for loop.
2. while loop.
3. do while loop.

Q8. What is Sequential Control ?

Ans 1: In Sequential Control, all the statements are executed in the given sequence. Sequential control is the default control structure in C language.

Q9. Why we need control statements?

Ans 1: In order to solve a problem, there is a need to control the flow of execution of a program. Sometimes we need to execute one set of instructions if a particular condition is true and another condition is false. Moreover, sometimes we need to repeat a set of statements for a number of times.

Q10. If there are multiple statements under if, which thing is compulsory.

Ans 1: If there are multiple statements under if, then they must be enclosed inside the {} block, otherwise the compiler issues an error.
