Computer Science (New Book) - 10th Class Computer Science English Medium Chapter 4 Preparation

Q1. Define Array

Ans 1: An array is a data structure that cfan hold multiple values of same data type e.g. an in to array can hold multiple integer alus, a float array can hold multiple real vales and so on. An important property of array is that it stores all the values at consecutive locations, inside the computer memory.

Q2. Hoe index are assigned to an array.

Ans 1: First element has the index 0, second elements has the index I and so on. Thus weight { 0} refers to the first element of the array weight, weight {1} refers to the second element and so on

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Q3. When body of the loop is executred.

Ans 1: If the conditio is ture, than body of the loop is executed. After executing the body of the loop, the counter variable is increase or decrease depending on the logic of the program.

Q4. Why we use loop in programming.

Ans 1: We often face problems whose solution may require executing a set of statements repeatedly. In such situations, we need a structure that would allow repeating a set of statements.

Q5. Waht happen if we do not initialize an array at the time of declaration.

Ans 1: If we do not initialize an array at the time of declaratio, then we need to initialize the array elements one by onee it means that we cannot initialize all the elemets of arry in a single statement.

Q6. How we initilaze an array in C lanaguge.

Ans 1: Assigning values to an array for the first time. is called array initializagion.An array can be initilalized at the time of its declaration, or later, Array initialization at the time of decleration cna be done in the following manner.
data _____ type array ..... name { N } = { value}. value 2, value 3..... value N}

Q7. How we can declared an array?

Ans 1: In C lanaguage, an array can be declared as follows.

Ans 2: Data type array name : is the type of data that wew want to store is the array.

Ans 3: Array name: is the unique identifierr that we use to refer to the array.

Ans 4: Array size : is the maximum numebr of elements that the array can hle.

Q8. What is counter variable in for loop.

Ans 1: Counter variable in for loop is used to keep track of count how many times a piece of code is exceuted.

Q9. What is index or subscript.

Ans 1: Each location or element of an array is identiifed by its position value called the subscript or index.

Q10. Define Loop Structure.

Ans 1: Loop Structure is used to repeat a number of statements up to a specified number of times of until a specified condition fulfilled. A loop is a staements in a programming langauge that allows one or more statements to be repeatedly excuted as many times as required, There are three types ofn loop whihc are used in C program.

Ans 2: * for loop
* While loop
* do while loop
