

Subject- IT & Prog-II

Class- 12th

Topic- Holiday Assignment

Assignment

1. What is data structure?
2. Explain the operations perform on the data structure.
3. What is algorithm?
4. Explain about the time complexity and space complexity.
5. Write the Big - O Notation of the following algorithm
 - (a) Binary Search
 - (b) Selection Sort
 - (c) Sequential Search
 - (d) Quick Sort
6. What is array and How many types of array?
7. How can we declare multidimensional array? Write example also.
8. Calculate the address of 8 element of floating point array Marks[10].Whose base address is 252.
9. Calculate the address of 12 element of an integer array Result[20].Whose base address is 800.
10. Write the formula of calculating address of an element in multidimensional array by using-
 - (a) Row Major order
 - (b) Colum Major order

Activity

1. Install the Turbo C++ software or App in your laptop or in your mobile and write a program Fibonacci Series in c using recursion.
2. Write a program of Binary Search in c language.
3. Draw the chart on Classification of data structure.
4. How can technology change your life in this pandemic of COVID-19?

