

Data structure

Assignment - 1

1. Write a program to find maximum value from array of 10 elements using pointers.
2. Display :- a.
- &a.
- &p.
- p.
- p++.
- [For this create a program using pointer]
3. Do experiments on pointer:
- *p++.
- *(p++).
- *(p--).
- *p--.
4. Write a program using pointer to indicate the middle element of the array.
5. Write [Do this program through "if", "while" & "do... while".]
5. Write a program to find the length of the string using pointer.
6. Write a program to reverse string using pointer.
7. Write a program to store and display data of 10 students using structure.
8. [rno, name, sub 1, sub 2, total, per]

8. Write a program using pointer to structure storing & displaying student details.
9. Write a program to insert an element in an array using pointer.
10. Write a program to delete an element in an array using pointer.
11. Find the location of an element in a 1-D array (integer). $[Lo + C \times (i - Lo)]$.
12. Find the location of an element in a 1-D character array.
13. Find the location of an element in a 2-D integer array.
 $[A[M][N] = Lo + C \times [N \times (i - 1) + (j - 1)]] - RMO$
 $[A[M][N] = Lo + C \times [M \times (j - 1) + (i - 1)]] - CMO$
14. Find the location of an element in a 2-D character array.
15. Write a program to create 3-D array.
16. Write a program to create stack:
 [i] Push.
 [ii] Pop.
 [iii] Display.
 [iv] Pop Keep.