

BSc I.T. 3rd Semester

Data Structures- Practical

23/7/2024

Assignment 1

1. Write a program to match two different pointer in 1 location in array
2. Implement a program to find length of a string with pointer
3. Write a program to find min and max value from array with pointers
4. Write a program to perform various testing on pointers
eg. `*p++, p--, *++p`
5. Write a program to implement student structure and display student detail in descending order of their SGPA
6. Write a program to implement pointer to student structure for the program no 5.
7. Write a program to perform all operations on 1D and 2D array
8. Implement a program with 3D array to store marks of a student.
9. Write a program to find the location of element within one dimensional and two dimensional array.
10. Write a menu based program to perform following operations on stack

Push	Pop	Peep	Display
			Top to Bottom
			Bottom to top

11. Write a program to perform all the operations on stack with user defined functions (`push()`, `int pop()`)
12. Write a program to implement stack with pointer
13. Write a program to reverse the string with stack
14. Write a program to convert infix expression into postfix expression.
15. Write a program to evaluate postfix expression
16. Write a program to enter elements in 2 different character stacks, and shift the elements one on one in 3rd stack.