

Assignment - 41 [A Job Ready Bootcamp in C++, DSA and IOT](#)

Stack

1. Create a stack of int type, push 5 elements in it and print it on the console screen.
2. Create a stack of int type, and find the top most element in a stack.
3. Create a stack, and implement main operations like push(), pop(), peek(), empty() and size().
4. Reverse the Words of a String using Stack.

Example:

Input: str = "I Love To Code"

Output: Code To Love I

5. Create stack1 of int type, and create another stack of the same type with name stack2 and copy all the elements of stack1 into stack2 in the same order.
6. Reverse a string using a stack.

Example:

Input: str = "Reverse me"

Output: em esreveR

7. Create a stack of int type and sort it.
8. Create a stack of int type and sort it in descending order.
9. Create back button functionality using stack.
10. Given an array, print the Next Greater Element (NGE) for every element using stack.

Example:

Input: arr[] = [4 , 5 , 2 , 25]

Output: 4 -> 5
 5 -> 25
 2 -> 25
 25 -> -1