**#3. Stack**

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**Aim:**

To perform following Stack operations using C Programming:

1. Stack Creation
2. Push an element
3. Pop an element
4. Peek the stack
5. Check the status of the stack full/empty
6. View the entire stack after each of the above operation

**Tools Required:**

Text editor with C Compiler.

**Experiment:**

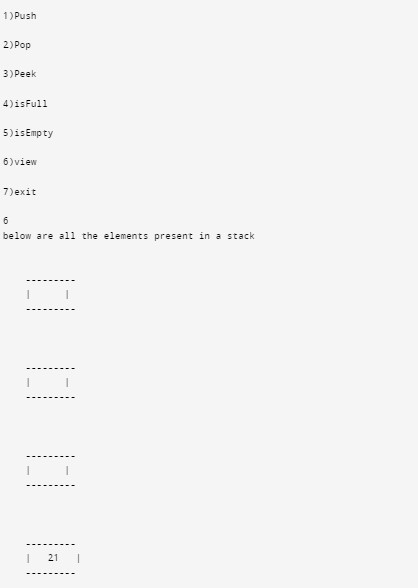
**Code:**

**Result:**

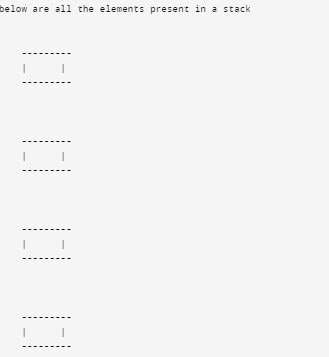
1. Stack Creation



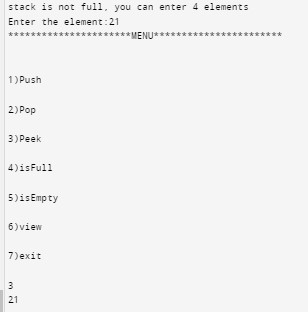
1. Push an element



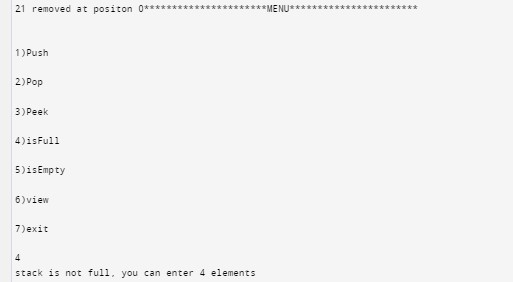
1. Pop an element



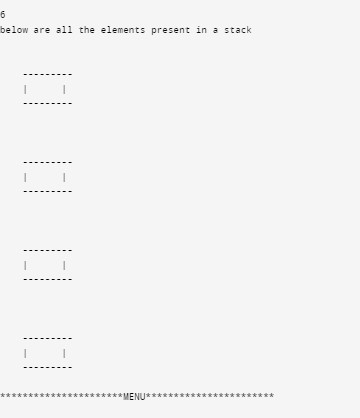
1. Peek the stack



1. Check the status of the stack full/empty



1. View the entire stack after each of the above operation



**Inference and Result:**

Implementation of stack has been performed, functions such as push , pop, view, peek and other functions have also been implemented.