**#4. Stack and Queue**

**Roll Number: CB.EN.P2EBS24021**

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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

To perform following Queue operations using C Programming:

1. Queue Creation
2. Add an element
3. Remove an element
4. Check the status of the queue full/empty
5. View the entire queue after each of the above operation

**Tools Required:**

Text editor with C Compiler.

**Experiment:**

Code

Result

Code

Result

**Inference and Result:**