Minimum Element:

- Explanation-The problem requires designing a stack that efficiently supports push, pop, and retrieving the minimum element in constant time. By maintaining two stacks—one for the main elements and another for tracking the minimum values—the algorithm ensures that all operations are performed in O(1) time. This design is useful for scenarios where frequent minimum retrievals are needed alongside regular stack operations.
- Time Complexity- O(1)
- Space Complexity-O(n)
- Flowchart-

```
[Start]

v

[Input Capacity]

v

[Initialize Stacks]

v

[Choose Operation]
```

```
Push
                 Pop
  V
[Input Value] [Pop from Main Stack]
  V
[Push to Main Stack] [Update Min Stack]
[Update Min Stack] [Display Popped Value]
                V
[Return to Choose Operation] <---+
 Get Min
                        Exit
  V
                      V
[Display Minimum]
                            [End]
[Return to Choose Operation]
```