

> Pseudo Code1. Push()

If $Top \geq SIZE - 1$ then // Stack Overflow (Stack is full).

$Top = Top + 1$

$STACK[Top] = ELEMENT$.

1.1 Push()

1. Check if the stack is full
2. If the stack is full, then, display "Stack Overflow"
3. If the stack is not full, increment top to the next location.
4. Assign data to the top element.

2. POP()

If $Top = -1$ then // stack underflow indicating stack is Empty.

Return $STACK[Top]$

$Top = Top - 1$.

2.1

1. Check if the stack is empty
2. If the stack is empty, then display "Stack Underflow".
3. Decrement top to the previous location.
4. Delete the temporary variable.

3. Then using `Switch()`, menu driven to the user to opt select the option from 1. Push 2. POP. 3. ~~Display~~ ^{Size}
4. Exit.

4. Ask the user to enter the input or element.

5. Display the Output.