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classmate

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Lab 2 - Stack Implementation.

Write a program to simulate the working of stack using an array with the following:

- a) Push
 - b) Pop
 - c) Display.
- The program should print appropriate messages for stack overflow and stack underflow.

pseudo code:

push(x)

{

top ← top + 1

A[top] ← x

}

pop()

{

top ← top - 1

}

top()

{

return A[top]

}

isEmpty()

{

if (top == -1)

return True;

else

return False;

isFull()

{

if (top == size)

return True;

else

return False;