

Name		Class		Date	
-------------	--	--------------	--	-------------	--

STACK OPERATION:

A Stack is a linear data structure that follows the principle.

stack is an *ARRAY*, and **data** is the element to be inserted in the stack array

GLOBAL variable is

FUNCTION **PUSH**(stack, data) RETURN BOOLEAN

```

IF  THEN
    PRINT "Error: Stack Overflow"
    RETURN 
ELSE
    top ← top + 
    stack[top] ← 
    RETURN True
END 

```

Explain the term Overflow ?

FUNCTION **POP**(stack) RETURN

```

IF  THEN
    PRINT "Error: Stack Underflow"
    RETURN False
ELSE
    data ← stack[top]
    top ← top  1
    RETURN 
ENDIF
END 

```

Explain the term Underflow ?