Exercise 5: Stack data structure with array
   a. Pseudo-code:

```
stack[] #stack is array
top = 0 #store index of top

function empty() :
        return (top == 0)
function size() :
        return top
function push(x) :
        que[top++] = x
function pop() :
        top = top - 1
function front() :
        return stack[top - 1]
```

   b. Complexity: $O(1)$ $each$ $operator$