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Q1)

Pseudocode

int A [size];
top = -1;

push (x)
{

top = top + 1
A [top] = X
}

pop ()
{

top = top - 1
}

top ()
{

return A [top];

}

```
is empty ()
{
    if (top == -1)
    return   true
    else
    return   false
}

is full ()
{
    if (maxsize == top)
    return true
    else
    return false
}
```