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1BM19CS179

Pseudocode

```
int A[size];  
top = -1;
```

```
push(x)
```

```
{  
{
```

```
top = top + 1
```

```
A[top] = x
```

```
}
```

```
pop()
```

```
{  
{
```

```
top = top - 1
```

```
}
```

```
top()
```

```
{  
{
```

```
return A[top];
```

```
}
```

Teacher's Signature : _____

```
is empty ( )
```

```
{
```

```
if (C.top == -1)
```

```
return true
```

```
else
```

```
return false
```

```
}
```

```
is full ( )
```

```
{
```

```
if (maxSize == top)
```

```
return true
```

```
else
```

```
return false
```

```
}
```

Teacher's Signature : _____