CSC148:

Abstract Data Type

ABSTRACT DATA TYPES

○	LIST	
○	DICTIONARIES	KEY-VALUE PAIRS
○	SETS	UNORDERDERED COLLECTION OF ELEMENTS
○	FILES/STREAMS	DIRECTED DATA WITH OR WITHOUT BOUNDS

CONTAINER

- PRIORITY QUEUE
- STACK
- QUEUE

3 OPERATIONS ARE ALLOWED:

+ IS_EMPTY

+ ADD

+ REMOVE

→ STACK

LIFO [LAST IN FIRST OUT] :   ADD = PUSH
                               REMOVE = POP

```python
class STACK:
    """
    === Private ATTRIBUTES ===
    @TYPE _ITEMS: LIST
        THE ITEMS IN THE STACK.
        THE BACK OF THE LIST WILL STORE THE TOP
        OF THE STACK.
    """
    def __init__(self):
        self._ITEMS = []


    def is_empty(self):
        return (self._ITEMS) == 0

    def push(self, item):
        self._ITEMS.append(item)


    def pop(self):
        if len(self._ITEMS) != 0:
            return self._ITEMS.pop()   # THIS POP IS THE LIST POP

    # OR

        if self.is_empty():
            pass
        else:
            return self._ITEMS.pop()
```

DO BETTER THAN FAILING SILENTLY.