```java
public interface StackInterface{

    public boolean isEmpty();
    //Pre: none
    //Post: Returns true if the stack is empty, otherwise returns false.

    public void push(Object item) throws StackException;
    //Pre:item is the new item to be added
    //Post: If insertion is successful, item is on the top of the stack.
    //Post:Throw StackException if the insertion is not successful

    public Object top( ) throws StackException;
    //Pre: none
    //Post: If stack is not empty, the item on the top is returned. The stack is left unchanged
    //Post:  Throws StackException if the stack is empty.

    public void pop( ) throws StackException;
    //Pre: none
    //Post: If stack is not empty, the item on the top is removed from the stack.
    //Post:  Throws StackException if the stack is empty.
```