

**Assignment 4: Stack Implementation and String Reversal**

**Objective:** Implement a stack using a list and use it to reverse a string.

**Instructions:**

1. Write Python functions to simulate stack operations using a list.  
Implement the following functions:
  - `push(stack, item)`: Add an item to the top of the stack.
  - `pop(stack)`: Remove and return the item from the top of the stack. Handle the case where the stack is empty by raising an exception or returning a suitable value.
  - `is_empty(stack)`: Return `True` if the stack is empty, otherwise `False`.
2. Implement a function `reverse_string(s)` that reverses a string using the stack operations defined above. The function should:
  - Initialize an empty list to use as the stack.
  - Push each character of the string onto the stack.
  - Pop characters from the stack and concatenate them to form the reversed string.