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DSA LAb 2

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Icon

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**Q1) Write a function in python that can reverse a string using stack data structure. Use Stack class.**

**reverse\_string("Muhammad Asad") should return "dasa dammahum"**

Graphical user interface, text, application

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**Q2) Write a function in python that checks if parenthesis in the string are balanced or not. Possible parenthesis are "{}',"()" or "[]". Use Stack class.**

**Text

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Graphical user interface

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**Discussion:**

Stack is a linear data structure that follows a particular order in which the operations are performed. The order may be LIFO(Last in First Out) or FILO(First In Last Out). In this lab, we reversed a string using a stack by pushing and popping, and also we checked for a valid mathematical expression by checking braces on left and right which returns us an empty list.