**Practical -8**

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| AIM | Write a Program in Python to implement a Stack Data Structure using Class and Objects, with push, pop, and traversal method. |
| **CODE** | *# Stack implementation in python   # Creating a stack def* create\_stack():  stack = []  *return* stack   *# Creating an empty stack def* check\_empty(stack):  *return len*(stack) == 0   *# Adding items into the stack def* push(stack, item):  stack.append(item)  *print*("pushed item: " + item)   *# Removing an element from the stack def* pop(stack):  *if* (check\_empty(stack)):  *return* "stack is empty"   *return* stack.pop()   stack = create\_stack() push(stack, *str*(1)) push(stack, *str*(2)) push(stack, *str*(3)) push(stack, *str*(4)) *print*("Popped item: " + pop(stack)) *print*("Stack after Popping an Element: " + *str*(stack)) |
| **OUTPUT** |  |
| **GITHUB** | [**https://github.com/Dev5577/Programming\_In\_Python.git**](https://github.com/Dev5577/Programming_In_Python.git) |