Practical 8

Aim :

WRITE A PROGRAM IN PYTHON TO IMPLEMENT A STACK DATA STRUCTURE USING CLASS AND OBJECTS, WITH PUSH, POP, AND TRAVERSAL METHOD.

Code:

```
stack1 = []
stack1.append('a')
stack1.append('b')
stack1.append('c')

print('initial stack:')
print(stack1)
print('\n Elements poped from stack are:')
print(stack1.pop())
print(stack1.pop())
print(stack1.pop())
print('\n Stack afetr elements are poped:')
print(stack1)
```

Output:

```
PS F:\Sem 4\CE259-PIP\PIP_Practical 8> python -u "f:\Sem 4\CE259-PIP\PIP_Practical 8\tempCodeRunnerFile.py"
initial stack:
['a', 'b', 'c']

 Elements poped from stack are:
c
b
a

 Stack afetr elements are poped:
[]
PS F:\Sem 4\CE259-PIP\PIP_Practical 8>
```