**# 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:

pushed item: 1

pushed item: 2

pushed item: 3

pushed item: 4

popped item: 4

stack after popping an element: ['1', '2', '3']