**Practical - 8**

Write a Program in Python to implement a Stack Data Structure using Class and Objects, with push, pop, and traversal method.

**Code:**

class Stack\_struct:

def \_\_init\_\_(self):

self.items = []

def check\_empty(self):

return self.items == []

def add\_elements(self, my\_data):

self.items.append(my\_data)

def delete\_elements(self):

return self.items.pop()

my\_instance = Stack\_struct()

while True:

print('Push <value>')

print('Pop')

print('Quit')

my\_input = input('What operation would you like to perform ? ').split()

my\_op = my\_input[0].strip().lower()

if my\_op == 'push':

my\_instance.add\_elements(int(my\_input[1]))

elif my\_op == 'pop':

if my\_instance.check\_empty():

print('The stack is empty')

else:

print('The deleted value is : ', my\_instance.delete\_elements())

elif my\_op == 'Quit':

break

Output:

