Started on	Saturday, 5 October 2024, 8:30 AM
State	Finished
Completed on	Saturday, 5 October 2024, 9:00 AM
Time taken	30 mins 5 secs
Grade	**80.00** out of 100.00

Question **1**

Correct

Mark 20.00 out of 20.00

Write a python program to create a stack with a maximum size of 3 using Lifo Queue. Get the input from the user and check whether the stack is full and then display the stack values in reverse order

For example:

Input	Result
2 10.1 20.2	False 20.2 10.1
3 2.4 3.3 5.1	True 5.1 3.3 2.4

Answer: (penalty regime: 0 %)

Reset answer

```

from queue import LifoQueue
stack=LifoQueue(maxsize=3)
n=int(input())
for i in range(n):
    stack.put(input())
print(stack.full())
for i in range(n):
    print(stack.get())
```

	Input	Expected	Got	
✓	2 10.1 20.2	False 20.2 10.1	False 20.2 10.1	✓
✓	3 2.4 3.3 5.1	True 5.1 3.3 2.4	True 5.1 3.3 2.4	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question **2**

Not answered

Mark 0.00 out of 20.00

Write a Python program to Get the name, roll no and 4 marks of a student and find & display the total marks and Average using Multilevel inheritance.

For example:

Input	Result
siva 212 89 90 92 94	Name: siva Rollno: 212 Total Marks out of 400: 365 Average : 91.25

Answer: (penalty regime: 0 %)

Question **3**

Correct

Mark 20.00 out of 20.00

Develop a python program to add few programming language in a queue(LIFO)

For example:

Input	Result
5 Java C R C# Python	Python C# R C Java
3 COBOL FORTRAN ALGOL	ALGOL FORTRAN COBOL

Answer: (penalty regime: 0 %)

```
import queue
class Queue:
  def __init__(self):
      self.queue = queue.LifoQueue()
  def add_element(self,val):
      self.queue.put(val)


  def size(self):
      return len(self.queue)

TheQueue = Queue()
n=int(input())
for i in range(n):
    TheQueue.add_element(input())
while not TheQueue.queue.empty():
    print(TheQueue.queue.get())
```

	Input	Expected	Got	
✓	5 Java C R C# Python	Python C# R C Java	Python C# R C Java	✓
✓	3 COBOL FORTRAN ALGOL	ALGOL FORTRAN COBOL	ALGOL FORTRAN COBOL	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question **4**

Correct

Mark 20.00 out of 20.00

Develop a python program to get 5 values from the user and display the values using circular queue

For example:

Input	Result
1 2 3 4 5	1 2 3 4 5
10 20 30 40 50	10 20 30 40 50

Answer: (penalty regime: 0 %)

Reset answer

```python
class MyCircularQueue():
    def __init__(self, k):
        self.k = k
        self.queue = [None] * k
        self.head = self.tail = -1
    def enqueue(self, data):
        if((self.tail+1)%self.k==self.head):
            print("The circular queue is full\n")
        elif(self.head==-1):
            self.head=0
            self.tail=0
            self.queue[self.tail]=data
        else:
            self.tail=(self.tail+1)%self.k
            self.queue[self.tail]=data

    #
    def printCQueue(self):
        if(self.head==1):
            print("No element in the circular queue")
        elif(self.tail >=self.head):
            for i in range(self.head,self.tail +1):
```

	Input	Expected	Got	
✓	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	✓
✓	10 20 30 40 50	10 20 30 40 50	10 20 30 40 50	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question **5**

Correct

Mark 20.00 out of 20.00

Write a python program to delete two neighboring non-identical letters(lower case and upper case) .

Example: AbBbA

lowercase b and uppercase B will get removed

For example:

Input	Result
leEeetcode	leetcode

Answer: (penalty regime: 0 %)

```
def makeGood(s):
    stack = []
    for i in s:
        if stack and stack[-1] != i and stack[-1].lower() == i.lower():
            stack.pop()
        else:
            stack.append(i)
    return "".join(stack)
s = input()
print(makeGood(s))
```

	Input	Expected	Got	
✓	leEeetcode	leetcode	leetcode	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.