

<b>Started on</b>	Thursday, 20 March 2025, 10:41 AM
<b>State</b>	Finished
<b>Completed on</b>	Thursday, 20 March 2025, 11:39 AM
<b>Time taken</b>	58 mins 14 secs
<b>Grade</b>	<b>80.00</b> 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 7 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
4	False
Maths	Biology
Physics	Chemistry
Chemistry	Physics
Biology	Maths
7	True
Maths	English
Physics	Economics
Chemistry	History
Biology	Biology
History	Chemistry
Economics	Physics
English	Maths

Answer: (penalty regime: 0 %)

Reset answer

```

1 from queue import LifoQueue
2 stack = LifoQueue(maxsize=7)
3 n=int(input())
4 for i in range(n):
5     stack.put(input())
6 print(stack.full())
7 for i in range(n):
8     print(stack.get())

```

	Input	Expected	Got	
✓	4	False	False	✓
	Maths	Biology	Biology	
	Physics	Chemistry	Chemistry	
	Chemistry	Physics	Physics	
	Biology	Maths	Maths	

	Input	Expected	Got	
✓	7 Maths Physics Chemistry Biology History Economics English	True English Economics History Biology Chemistry Physics Maths	True English Economics History Biology Chemistry Physics Maths	✓

Passed all tests! ✓



Marks for this submission: 20.00/20.00.

## Question 2

Incorrect

Mark 0.00 out of 20.00

Develop a python program to remove 3 values from the user and display the values using circular [queue](#)

For example:

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

Answer: (penalty regime: 0 %)

Reset answer

```

1 class MyCircularQueue():
2     def __init__(self, k):
3         self.k = k
4         self.queue = [None] * k
5         self.head = self.tail = -1
6     def enqueue(self, data):
7         if ((self.tail + 1) % self.k == self.head):
8             print("The circular queue is full\n")
9         elif (self.head == -1):
10            self.head = 0
11            self.tail = 0
12            self.queue[self.tail] = data
13        else:
14            self.tail = (self.tail + 1) % self.k
15            self.queue[self.tail] = data
16        def dequeue(self):
17            #enter the code here
18        def printCQueue(self):
19
20 obj = MyCircularQueue(5)
21 for i in range(5):
22     obj.enqueue(int(input()))

```

### Syntax Error(s)

Sorry: IndentationError: unindent does not match any outer indentation level (\_\_tester\_\_.python3, line 6)

Incorrect

Marks for this submission: 0.00/20.00.

## Question 3

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
leEetcode	leetcode

**Answer:** (penalty regime: 0 %)

```

1 def fun(S):
2     l=[]
3     for i in S:
4         if l and l[-1]!=i and l[-1].lower()==i.lower():
5             l.pop()
6         else:
7             l.append(i)
8     return "".join(l)
9 S=input()
10 print(fun(S))

```

	Input	Expected	Got	
✓	leEetcode	leetcode	leetcode	✓

Passed all tests! ✓

**Correct**

Marks for this submission: 20.00/20.00.

Question 4

Correct

Mark 20.00 out of 20.00

Write a program in Python to calculate the value of the following expression by using lambda function.

The expression is -

$(x * 10) + (y / 2) * z$

For example:

Input	Result
10	120.0
2	
20	

Answer: (penalty regime: 0 %)

```

1 x=int(input())
2 y=int(input())
3 z=int(input())
4 s=(x*10)+(y/2)*z
5 print(s)

```

	Input	Expected	Got	
✓	10	120.0	120.0	✓
	2			
	20			
✓	20	215.0	215.0	✓
	3			
	10			

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 5

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	Python
Java	C#
C	R
R	C
C#	Java
Python	
3	ALGOL
COBOL	FORTTRAN
FORTTRAN	COBOL
ALGOL	

Answer: (penalty regime: 0 %)

```

1 import queue
2 q=queue.LifoQueue()
3 n=int(input())
4 for i in range(n):
5     q.put(input())
6 while not q.empty():
7     print(q.get())

```

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

Passed all tests! ✓

Marks for this submission: 20.00/20.00.