
Started on Wednesday, 16 April 2025, 2:59 PM

State Finished

Completed on Wednesday, 16 April 2025, 3:26 PM

Time taken 26 mins 38 secs

Grade **80.00** out of 100.00

Question 1

Incorrect

Mark 0.00 out of 20.00

Write a python program to display first n Fibonacci numbers using tree recursion.

For example:

Input	Result
4	Fibonacci series: 0 1 1 2
-3	Invalid input ! Please input a positive value

Answer: (penalty regime: 0 %)

```

1 def makeGood(s):
2     stack = []
3     for i in s:
4         if stack and stack[-1] != i and stack[-1].lower() == i.lower():
5             stack.pop()
6         else:
7             stack.append(i)
8     return "".join(stack)
9
10
11 s = input()
12 print(makeGood(s))
13

```

	Input	Expected	Got	
✖	4	Fibonacci series: 0 1 1 2	4	✖
✖	-3	Invalid input ! Please input a positive value	-3	✖
✖	7	Fibonacci series: 0 1 1 2 3 5 8	7	✖

Some hidden test cases failed, too.

Your code must pass all tests to earn any marks. Try again.

Show differences

Incorrect

Marks for this submission: 0.00/20.00.

Question 2

Correct

Mark 20.00 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 2 3 4 5	4 5
10 20 30 40 50	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        if (self.head == -1):
18            print("The circular queue is empty\n")
19        elif (self.head == self.tail):
20            temp = self.queue[self.head]
21            self.head = -1
22            self.tail = -1

```

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

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 3

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	
✓	7	True	True	✓
	Maths	English	English	
	Physics	Economics	Economics	
	Chemistry	History	History	
	Biology	Biology	Biology	
	History	Chemistry	Chemistry	
	Economics	Physics	Physics	
	English	Maths	Maths	

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 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 class Queue:
3     def __init__(self):
4         self.queue = queue.LifoQueue()
5     def add_element(self, val):
6         self.queue.put(val)
7
8
9     def size(self):
10        return len(self.queue)
11
12 TheQueue = Queue()
13 n=int(input())
14 for i in range(n):
15     TheQueue.add_element(input())
16 while not TheQueue.queue.empty():
17     print(TheQueue.queue.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! ✓

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
leEetcode	leetcode

Answer: (penalty regime: 0 %)

```

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

```

	Input	Expected	Got	
✓	leEetcode	leetcode	leetcode	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.