Started on	Wednesday, 19 March 2025, 11:15 AM
State	Finished
Completed on	Wednesday, 19 March 2025, 3:36 PM
Time taken	4 hours 21 mins
Overdue	2 hours 21 mins
Grade	**100.00** out of 100.00

Question **1**

Incorrect

Mark 20.00 out of 20.00

Write a python program to reverse a string using stack concept

For example:

Input	Result
Python	nohtyP

Answer: (penalty regime: 0 %)

```python
from collections import deque
dq=deque()
n=input()

for i in n:
    dq.append(i)

dq.reverse()

print(*dq,end='')
```

	Input	Expected	Got	
✖	Python	nohtyP	n o h t y P	✖

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.

Create the abstract method calculate_area which is of the abstract class 'Shape'. The implementation of this abstract class can be defined in the sub-classes that inherit the class 'Shape'. 'Rectangle' and 'Circle' are the two sub-classes that inherit the abstract class 'Shape'.

For example:

Result
Area of a rectangle: 15 Area of a circle: 50.24

Answer: (penalty regime: 0 %)

Reset answer

```python
1  from abc import ABC
2  class Shape(ABC):
3      def calculate_area(self):
4          pass
5  class Rectangle(Shape):
6      length = 5
7      breadth =3
8      def calculate_area(self):
9          return self.length * self.breadth
10
11 class Circle(Shape):
12    radius = 4
13    def calculate_area(self):
14        return 3.14 * self.radius * self.radius
15
16 rec=Rectangle()
17 cir=Circle()
18
19 print("Area of a rectangle:", rec.calculate_area())
20 print("Area of a circle:", cir.calculate_area())
```

	Expected	Got	
✔	Area of a rectangle: 15 Area of a circle: 50.24	Area of a rectangle: 15 Area of a circle: 50.24	✔

Passed all tests! ✔

Correct
Marks for this submission: 20.00/20.00.

Write a python program to create a stack with a maximum size of 5 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 10 20 30 40	False 40 30 20 10
5 2 4 6 8 3	True 3 8 6 4 2

Answer: (penalty regime: 0 %)

Reset answer

```python
1  from queue import LifoQueue
2
3  stack = LifoQueue(maxsize=5)
4  n=int(input())
5
6  for i in range(n):
7      stack.put(input())
8
9  print(stack.full())
10
11  for i in range(n):
12      print(stack.get())
```

	Input	Expected	Got	
✔	4 10 20 30 40	False 40 30 20 10	False 40 30 20 10	✔
✔	5 2 4 6 8 3	True 3 8 6 4 2	True 3 8 6 4 2	✔

Passed all tests! ✔

Correct
Marks for this submission: 20.00/20.00.

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

For example:

Input	Result
4 Python Java C C++	Python Java C C++
5 Java C# C Python C++	Java C# C Python C++

Answer: (penalty regime: 0 %)

Reset answer

```
 1  from collections import deque
 2
 3  dq=deque()
 4
 5  n=int(input())
 6
 7  for i in range(n):
 8      dq.append(input())
 9
10  print(*dq)
```

	Input	Expected	Got	
✔	4 Python Java C C++	Python Java C C++	Python Java C C++	✔
✔	5 Java C# C Python C++	Java C# C Python C++	Java C# C Python C++	✔

Passed all tests! ✔

Correct
Marks for this submission: 20.00/20.00.

Develop a python program to add only the even unique numbers using appendleft() from n given numbers

For example:

Input	Result
5 2 5 8 2 4	deque([4, 8, 2])
6 3 5 2 8 2 5	deque([8, 2])

Answer: (penalty regime: 0 %)

```python
1  from collections import deque
2
3  dq=deque()
4  n=int(input())
5
6  for _ in range(n):
7      m=int(input())
8      if m not in dq and m%2==0:
9          dq.appendleft(m)
10
11
12  print(deque(dq))
13
14
```

	Input	Expected	Got	
✔	5 2 5 8 2 4	deque([4, 8, 2])	deque([4, 8, 2])	✔

	Input	Expected	Got	
✔	6 3 5 2 8 2 5	deque([8, 2])	deque([8, 2])	✔

Passed all tests! ✔

Correct
Marks for this submission: 20.00/20.00.