Started on	Wednesday, 16 July 2025, 3:18 PM
State	Finished
Completed on	Wednesday, 16 July 2025, 3:28 PM
Time taken	10 mins 37 secs
Grade	**100.00** out of 100.00

Question **1**

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

```
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):
                print(self.queue[i], end=" ")
            print()
```

	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 **2**

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.

Question **3**

Correct

Mark 20.00 out of 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 %)

```
from collections import deque
class Queue:
  def __init__(self):
      self.queue = deque()
  def add_element(self,val):
      if val%2==0 and val not in self.queue:
          self.queue.appendleft(val)
          return True
      return False
TheQueue = Queue()
n=int(input())
for i in range(n):
    TheQueue.add_element(int(input()))
print(TheQueue.queue)
```

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

Question **4**

Correct

Mark 20.00 out of 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

```
from queue import LifoQueue
stack = LifoQueue(maxsize=5)
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	
✔	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.

Question **5**

Incorrect

Mark 20.00 out of 20.00

Write a function in Python that takes a list of integers as a parameter and returns a dictionary whose keys are the list integers and whose values are "even" or "odd" depending on the number parity.

l = [24 , 14 , 3 , 36 , 41 , 22 , 15]

For example:

Result
{24: 'Pair', 14: 'Pair', 3: 'Impair', 36: 'Pair', 41: 'Impair', 22: 'Pair', 15: 'Impair'}

Answer: (penalty regime: 0 %)

```
1 l=[24,14,3,36,41,22,15]
2
```

	Expected
✖	{24: 'Pair', 14: 'Pair', 3: 'Impair', 36: 'Pair', 41: 'Impair', 22: 'Pair', 15: 'Impair'}

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

Incorrect

Marks for this submission: 0.00/20.00.