Started on	Monday, 24 March 2025, 9:08 AM
State	Finished
Completed on	Monday, 24 March 2025, 9:54 AM
Time taken	45 mins 49 secs
Grade	**100.00** out of 100.00

Question **1**

Incorrect

Mark 20.00 out of 20.00

Create a python program with destructor and print a message when an object of the class is created, after the program execution print a message that object is deleted

For example:

Result
Employee created. Destructor called, Employee deleted.

Answer: (penalty regime: 0 %)

```
1
2
```

	Expected
✖	Employee created. Destructor called, Employee deleted.

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

Incorrect

Marks for this submission: 0.00/20.00.

Question **2**

Correct

Mark 20.00 out of 20.00

Get the status of a seats filled and available in a transport application and display whether the seats are full or not. Cancel the ticket of last booking and display the seat got cancelled recently. Also update the seats available and occupied after cancellation.

Answer: (penalty regime: 0 %)

Reset answer

```
from queue import LifoQueue
max_val = maxsize=10
stack = LifoQueue(max_val)
stack.put('S1')
stack.put('S4')
stack.put('S6')

print("** Check how many seats are occupied **")
print("Number of seats occupied are ",stack.qsize())
print("Number of seats available are ",max_val-stack.qsize())
if stack.full():
    print("Seats are full")
else:
    print("Seats are not full")
print("** After last booked person cancells the ticket **")

print("The calcelled seat is ", stack.get())
print("Number of seats occupied are ",stack.qsize())
print("Number of seats available are ",max_val-stack.qsize())
```

	Expected	Got	
✔	** Check how many seats are occupied ** Number of seats occupied are 3 Number of seats available are 7 Seats are not full ** After last booked person cancells the ticket ** The calcelled seat is S6 Number of seats occupied are 2 Number of seats available are 8	** Check how many seats are occupied ** Number of seats occupied are 3 Number of seats available are 7 Seats are not full ** After last booked person cancells the ticket ** The calcelled seat is S6 Number of seats occupied are 2 Number of seats available are 8	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **3**

Correct

Mark 20.00 out of 20.00

Type a python code to get 3 inputs from the user and insert in the stack. Print the 3 elements along with the respective index values.

Answer: (penalty regime: 0 %)

Reset answer

```
stack = []
print("Insert the first element:")
stack.append(input())
print("Insert the second element:")
stack.append(input())
print("Insert the third element:")
stack.append(input())

print('Initial stack: ' + str(stack))
for i in range(len(stack)):
    print(i,stack[i])
```

	Input	Expected	Got	
✔	23 34 65	Insert the first element: Insert the second element: Insert the third element: Initial stack: ['23', '34', '65'] 0 23 1 34 2 65	Insert the first element: Insert the second element: Insert the third element: Initial stack: ['23', '34', '65'] 0 23 1 34 2 65	✔
✔	0.9 Round off 1	Insert the first element: Insert the second element: Insert the third element: Initial stack: ['0.9', 'Round off', '1'] 0 0.9 1 Round off 2 1	Insert the first element: Insert the second element: Insert the third element: Initial stack: ['0.9', 'Round off', '1'] 0 0.9 1 Round off 2 1	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **4**

Correct

Mark 20.00 out of 20.00

List out the candidates appeared for the interview.

There are two candidates under the name of "Ram". Find and display the slot numbers of both "ram" who came for the interview.

Answer: (penalty regime: 0 %)

Reset answer

```
interview = []

interview.append("Ram")
interview.append("Priya")
interview.append("John")
interview.append("Vignesh")
interview.append("Reshma")
interview.append("Ram")
interview.append("Meeran")
interview.append("Sai kumar")

print("List of candidates appeared for the interview:")
print(interview)
print('Display the slot numbers of the candidates with same name:')
print(interview.index("Ram" ,0, 8))
print(interview.index("Ram" ,4, 8))

```

	Expected	Got	
✔	List of candidates appeared for the interview: ['Ram', 'Priya', 'John', 'Vignesh', 'Reshma', 'Ram', 'Meeran', 'Sai kumar'] Display the slot numbers of the candidates with same name: 0 5	List of candidates appeared for the interview: ['Ram', 'Priya', 'John', 'Vignesh', 'Reshma', 'Ram', 'Meeran', 'Sai kumar'] Display the slot numbers of the candidates with same name: 0 5	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **5**

Correct

Mark 20.00 out of 20.00

In a drive-in restaurant, maximum of 8 vehicles can use the space provided.

Type a python code to,

1. Enqueue 5 vehicles in the drive-in space.
2. Print the present status of the vehicle present and check whether the space is full.
3. After moving 3 vehicles, check whether the space is empty.
4. If not, print the number of vehicles in the drive-in space.

Answer: (penalty regime: 0 %)

Reset answer

```
from queue import Queue

queue = Queue(maxsize=8)
queue.put('Vehicle_1')
queue.put('Vehicle_2')
queue.put('Vehicle_3')
queue.put('Vehicle_4')
queue.put('Vehicle_5')

print("Present vehicles in deive-in space: ",queue.qsize(), end=" Vehicles\n")
print("Is the space full? ",queue.full())
print('\nAfter few sales:')
print(queue.get(0))
print(queue.get(0))
print(queue.get(0))

print("\nIs the space empty? ",queue.full())
print("Current occupation of vehicles in drive-in space: ",queue.qsize(), end=" Vehicle
```

	Expected	Got	
✔	Present vehicles in deive-in space: 5 Vehicles Is the space full? False After few sales: Vehicle_1 Vehicle_2 Vehicle_3 Is the space empty? False Current occupation of vehicles in drive-in space: 2 Vehicles	Present vehicles in deive-in space: 5 Vehicles Is the space full? False After few sales: Vehicle_1 Vehicle_2 Vehicle_3 Is the space empty? False Current occupation of vehicles in drive-in space: 2 Vehicles	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.