Started on	Wednesday, 7 May 2025, 3:18 PM
State	Finished
Completed on	Wednesday, 7 May 2025, 3:35 PM
Time taken	16 mins 50 secs
Grade	**100.00** out of 100.00

Question **1**

Correct

Mark 20.00 out of 20.00

Write a python program to reverse the members of a given list.

input_list=[1,3,5,7,9,11,13,17,19]

For example:

Result
[19, 17, 13, 11, 9, 7, 5, 3, 1]

Answer: (penalty regime: 0 %)

```
1
2 input_list=[1,3,5,7,9,11,13,17,19]
3
4 print(input_list[::-1])
```

	Expected	Got	
✔	[19, 17, 13, 11, 9, 7, 5, 3, 1]	[19, 17, 13, 11, 9, 7, 5, 3, 1]	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

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.

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 ",maxsize-stack.qsize())

if stack.full():
    print("Seats are full")
else:
    print("Seats are not full")
```

	Expected	Got	
✔	** Check how many seats are occupied ** Number of seats occupied are 3 Number of seats available are 7 Seats are not full	** Check how many seats are occupied ** Number of seats occupied are 3 Number of seats available are 7 Seats are not full	✔

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 insert 3 elements. Also check and print the index value of the elements stored in the stack.

Answer: (penalty regime: 0 %)

Reset answer

```
stack = []

stack.append("a")
stack.append("b")
stack.append("c")

print('Initial stack: ' + str(stack))

for i in range(len(stack)):
    print(i,end=" ")
    print(stack[i])

```

	Expected	Got	
✔	Initial stack: ['a', 'b', 'c'] 0 a 1 b 2 c	Initial stack: ['a', 'b', 'c'] 0 a 1 b 2 c	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **4**

Correct

Mark 20.00 out of 20.00

From the list of candidates attended the first round of interview, slot number 1, 3 and 4 got shortlisted.

1. Print the names of the candidates attended the first round of interview.

2. Print the name of the candidates shortlisted in the first round of interview

Answer: (penalty regime: 0 %)

Reset answer

```
interview = ['Ram', 'Siva', 'Joseph', 'Ijaz', 'Sasi', 'Reshma', 'Devi', 'Babu']
result = []
print("List of candidates appeared for first round of interview:")
print(*interview, sep="\n")
print( )
shortlisted_slots = [1, 3, 4]

for i in shortlisted_slots:
    result.append(interview[i])
print(result)
```

	Expected	Got	
✔	List of candidates appeared for first round of interview: Ram Siva Joseph Ijaz Sasi Reshma Devi Babu ['Siva', 'Ijaz', 'Sasi']	List of candidates appeared for first round of interview: Ram Siva Joseph Ijaz Sasi Reshma Devi Babu ['Siva', 'Ijaz', 'Sasi']	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **5**

Correct

Mark 20.00 out of 20.00

Type a python code to add 4 elements in a queue.

Print the element present in the front and rear of queue.

Answer: (penalty regime: 0 %)

Reset answer

```
queue = []

queue.append('a')
queue.append('b')
queue.append('c')
queue.append('d')

print('Initial Queue: ' + str(queue))

print("\nElement at the front of the queue is .... ",queue.pop(0))

print("\nElement at the rear of the queue is .... ",queue.pop(2))


```

	Expected	Got	
✔	Initial Queue: ['a', 'b', 'c', 'd'] Element at the front of the queue is .... a Element at the rear of the queue is .... d	Initial Queue: ['a', 'b', 'c', 'd'] Element at the front of the queue is .... a Element at the rear of the queue is .... d	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.