Started on	Friday, 9 May 2025, 1:14 PM
State	Finished
Completed on	Friday, 9 May 2025, 1:49 PM
Time taken	34 mins 17 secs
Grade	**80.00** out of 100.00

Question **1**

Not answered

Mark 0.00 out of 20.00

Define a function to delete an element from a specific location in the given linked list.

Answer: (penalty regime: 0 %)

Reset answer

```
class Node:
    def __init__(self, data):
        self.data = data
        self.next = None

class delete_front:
    def __init__(self):
        self.head = None

    def removeNode(self, position):
        {{TYPE THE CODE}}

    def push(self, data):
        if self.head is None:
            self.head = Node(data)
            return
        temp = Node(data)
        temp.next = self.head
        self.head = temp

    def display(self):
        temp1 = self.head
```

	Input	Expected	Got	
✖	5 10 20 30 40 50	Enter the number of elements to push: 50 40 30 10	Linked List before deletion: 50 40 30 10 Enter position to delete: Linked List after deletion: 50 40 30 10	✖

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

Write a python program to insert an element in the specified position in singly linked list.

Answer: (penalty regime: 0 %)

Reset answer

```
class Node:
    def __init__(self, data):
        self.data = data
        self.next = None

class LinkedList:
    def __init__(self):
        self.head = None

    def insert_at_end(self, new_data):
        new_node = Node(new_data)
        if self.head is None:
            self.head = new_node
            return
        temp = self.head
        while temp.next:
            temp = temp.next
        temp.next = new_node

    def insert_at_beginning(self, new_data):
        new_node = Node(new_data)
        new_node.next = self.head
```

	Expected	Got	
✔	After inserting elements at the end 25 35 45 After inserting elements at the beginning 15 25 35 45 Inserting elements at the specific position 15 40 25 35 45	After inserting elements at the end 25 35 45 After inserting elements at the beginning 15 25 35 45 Inserting elements at the specific position 15 40 25 35 45	✔

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 traverse the elements in doubly linked list.

Answer: (penalty regime: 0 %)

Reset answer

```
class Node:
    def __init__(self, data):
        self.data = data
        self.next = None
        self.prev = None

class DoublyLinkedList:
    def __init__(self):
        self.head = None

    def append(self, new_data):
        new_node = Node(new_data)
        if self.head is None:
            self.head = new_node
            return
        temp = self.head
        while temp.next:
            temp = temp.next
        temp.next = new_node
        new_node.prev = temp

    def traverse_forward(self):
```

	Expected	Got	
✔	18 5 10 50 29 39 49	18 5 10 50 29 39 49	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.

Question **4**

Correct

Mark 20.00 out of 20.00

Type a python function to insert words at the beginning and display the sentence in forward and reverse direction.

Answer: (penalty regime: 0 %)

Reset answer

```
def insert_and_display():
    n = int(input("Enter the number of words to display.\n"))
    sentence = []

    for _ in range(n):
        print("Enter the data to push")
        word = input()
        sentence.insert(0, word)

    print("\nTraversal in forward direction")
    print(' '.join(sentence))

    print("Traversal in reverse direction")
    print(' '.join(reversed(sentence)))

# Call the function
insert_and_display()
```

	Input	Expected	Got	
✔	4 step on step carefully	Enter the number of words to display. Enter the data to push Enter the data to push Enter the data to push Enter the data to push Traversal in forward direction carefully step on step Traversal in reverse direction step on step carefully	Enter the number of words to display. Enter the data to push Enter the data to push Enter the data to push Enter the data to push Traversal in forward direction carefully step on step Traversal in reverse direction step on step carefully	✔

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 print the result of the following expression as true or false.

a = (1 == True)

b = (1 == False)

c = True + 3

d = False + 7

For example:

Result
a is True b is False c: 4 d: 7

Answer: (penalty regime: 0 %)

```
a = (1 == True)

b = (1 == False)

c = True + 3

d = False + 7

print("a is",a)
print("b is",b)
print("c:",c)
print("d:",d)
```

	Expected	Got	
✔	a is True b is False c: 4 d: 7	a is True b is False c: 4 d: 7	✔

Passed all tests! ✔

Correct

Marks for this submission: 20.00/20.00.