Program started.
Task 1 started.
Task 2 started.
Task 1 completed.
Task 2 completed.
Task 2 completed.
Task 2 completed.
Task 2 completed.
Program completed.
Program completed.

[2 2 3 10 10 10] [1 3 4]

STACK OPERATIONS 1. Push Element 2. Pop Element 3. Peep Element 4. Search an Element 5. Exit Enter Your Choice: 1 Enter Element: 10 Stack = [10]STACK OPERATIONS 1. Push Element 2. Pop Element 3. Peep Element 4. Search an Element 5. Exit Enter Your Choice: 1 Enter Element: 20 Stack = [10, 20]STACK OPERATIONS 1. Push Element 2. Pop Element 3. Peep Element 4. Search an Element 5. Exit Enter Your Choice: 2 Popped Element: 20 Stack = [10] STACK OPERATIONS

1. Push Element

4. Search an Element

Enter Your Choice: 5

Pop Element
 Peep Element

5. Exit

Cut Ticket : 1
Show Chair : 1
Cut Ticket : 2
Show Chair : 2
Cut Ticket : 3
Show Chair : 3
Cut Ticket : 4
Show Chair : 4
Cut Ticket : 5
Show Chair : 5

```
QUEUE OPERATIONS
 1. Add Element
 2. Delete Element
 3. Search Element
 4. Exit
 Enter your choice: 1
 Enter element to add: 10
 Element 10 added to the queue.
 Current queue: ['10']
 QUEUE OPERATIONS
 1. Add Element
 2. Delete Element
 3. Search Element
 4. Exit
 Enter your choice: 20
 Invalid choice! Please enter a valid option between 1 and 4.
 Current queue: ['10']
 QUEUE OPERATIONS
 1. Add Element
 2. Delete Element
 3. Search Element
 Enter your choice: 2
 Deleted element: 10
 Queue is empty.
 QUEUE OPERATIONS
 1. Add Element
 2. Delete Element
 3. Search Element
 4. Exit
 Enter your choice: 4
 Exiting program...
First polynomial is:
 5 + 10x^2 + 6x^3
 Second polynomial is:
```

```
Second polynomial is:

1 + 2x^1 + 4x^2

Sum of polynomials is:

6 + 2x^1 + 14x^2 + 6x^3

Enter radius of the circle: 5

Area of Circle: 78.54

Enter length of the rectangle: 15

Enter width of the rectangle: 10

Area of Rectangle: 150.00

Enter base of the triangle: 5

Enter height of the triangle: 7

Area of Triangle: 17.50
```

```
Existing list: ['Hindustan', 'Bharat', 'India']
Linked List Operations
1. Add Element
2. Remove Element
3. Replace Element
4. Search Element
5. Exit
Enter Your Choice: 1
Enter Element: South Africa
Enter Position: 0
                                                Enter the size of the queue: 4
List: ['South Africa', 'Hindustan', 'Bharat', 'India']
                                                1. Enqueue
                                                2. Dequeue
Linked List Operations
                                                3. Display
1. Add Element
                                                4. Exit
2. Remove Element
                                                Enter your choice: 1
3. Replace Element
                                                Enter value to enqueue: 10
4. Search Element
5. Exit
                                                1. Enqueue
Enter Your Choice: 2
                                                2. Dequeue
Enter Element: Bharat
                                                3. Display
List: ['South Africa', 'Hindustan', 'India']
                                                4. Exit
                                                Enter your choice: 1
                                                Enter value to enqueue: 20
Linked List Operations
1. Add Element

    Enqueue

2. Remove Element
                                                2. Dequeue
3. Replace Element
                                                3. Display
4. Search Element
                                                4. Exit
5. Exit
                                                Enter your choice: 2
Enter Your Choice: 3
Enter New Element: New Zealand
                                                1. Enqueue
Enter Position: 1
                                                2. Dequeue
List: ['South Africa', 'New Zealand', 'India']
                                                3. Display
                                                4. Exit
Linked List Operations
                                                Enter your choice: 3
1. Add Element
2. Remove Element
                                                1. Enqueue
3. Replace Element
                                                2. Dequeue
4. Search Element
                                                3. Display
5. Exit
                                                4. Exit
Enter Your Choice: 5
                                                Enter your choice: 4
Exiting program...
                                                Exiting program...
```

Enter elements of the stack separated by space: 10 20 30 Original Stack: [10, 20, 30]

Original Stack: [10, 20, 30] Reversed Stack: [30, 20, 10] Type your password and press enter:sipa zwuo yeod ohvg hello there Inbox x sidrashaikh@eng.rizvi.edu.in This message is send from python. ← Reply → Forward sidrashaikh@eng.rizvi.edu.in This message is send from python. sidrashaikh@eng.rizvi.edu.in This message is send from python. Test Email with Attachment Inbox × sidrashaikh@eng.rizvi.edu.in to me 🕶 Please find the attached file.