Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 1

Enter value to push: 10

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 1

Enter value to push: 20

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 2

Popped value is 20

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 3

Top element is 10

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 4

stack elements are:

10

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 2

Popped value is 10

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 3

stack underflow

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 4

stack is empty

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 1

Enter value to push: 10

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 1

Enter value to push: 20

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 1

Enter value to push: 30

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice:

1

Enter value to push: 40

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice:

1

Enter value to push: 50

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 1

Enter value to push: 60

stack overflow

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 7

Invalid choice, please try again.

Menu:

1. Push

2. Pop

3. Peek

4. Display

5. Exit

Enter your choice: 5

Exiting...