

Select "C:\Users\SanioLuke\Documents\Amal Jyothi College\Practicals\DS Practicals\16-11-2021\stacks.exe"

A program for implementing a stack using array

NOTE : The array can any contain 5 elements.

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 1

Enter the element that you want to push : 1

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 1

Enter the element that you want to push : 2

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 1

Enter the element that you want to push : 3

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 1

Enter the element that you want to push : 4

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.



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Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 1

Enter the element that you want to push : 5

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 1

Stack is full !!!

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 3

The elements in the stack are : [1 2 3 4 5]

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 2

The popped/deleted element is : 5

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 3

The elements in the stack are : [1 2 3 4]



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The elements in the stack are : [1 2 3 4]

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 2

The popped/deleted element is : 4

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 3

The elements in the stack are : [1 2 3]

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 2

The popped/deleted element is : 3

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 2

The popped/deleted element is : 2

Perform various stack operations as given below:

1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.

Enter the choice : 2

The popped/deleted element is : 1



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4. Exit.
Enter the choice : 2

The popped/deleted element is : 3

Perform various stack operations as given below:
1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.
Enter the choice : 2

The popped/deleted element is : 2

Perform various stack operations as given below:
1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.
Enter the choice : 2

The popped/deleted element is : 1

Perform various stack operations as given below:
1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.
Enter the choice : 2
No element to pop !! The stack is empty !!

Perform various stack operations as given below:
1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.
Enter the choice : 3

The stack is empty !!!

Perform various stack operations as given below:
1. Push an element.
2. Pop an element.
3. Display all elements.
4. Exit.
Enter the choice : 4

Process returned 0 (0x0)   execution time : 39.961 s
Press any key to continue.
```

