```
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
1
How many elements do you want to push
6
Stack Overflow
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
1
How many elements do you want to push
3
Enter 3 elements:
1
2
3
Elements are pushed into the stack
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
2
3 is popped out of the stack
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
2
2 is popped out of the stack
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
2
1 is popped out of the stack
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
2
2
Stack Underflow
Stack Underflow
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
1
How many elements do you want to push
1
How many elements do you want to push
5
5
Enter 5 elements:
1
Enter 5 elements:
1
2
3
2
3
4
5
```

```
Elements are pushed into the stack
Elements are pushed into the stack
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
3
Top element is: 5
3
Top element is: 5
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
4
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
4
Stack elements from top to bottom are:
5       4       3       2       1
Stack elements from top to bottom are:
5       4       3       2       1
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
0
Enter your choice: 1.push 2.pop 3.peek 4.display 0.exit
0
Exiting the program
PS C:\Users\BMSCECSE>   []
```