```
PS C:\Users\student\Desktop\Deepak>  & 'c:
dqh' '--stdout=Microsoft-MIEngine-Out-mkqx
.exe' '--interpreter=mi'
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:1
Enter the value to push: 4
value 4 pushed successfully
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:1
Enter the value to push: 8
value 8 pushed successfully
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:1
Enter the value to push: 3
value 3 pushed successfully
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:1
Enter the value to push: 9
value 9 pushed successfully
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:1
Enter the value to push: 6
value 6 pushed successfully
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
```

```
Enter your choice:1
Enter the value to push: 3
Stack overflow! cannot push value 3Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:4
Elements in Stack:
6
9
3
8
4
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:2
Poped value:6Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:2
Poped value:9Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:2
Poped value:3Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:3
Top ELement:8
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:2
Poped value:8Stack Menu
```

```
Poped value:8Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:2
Poped value:4Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:2
Stack Underflow! Cannot pop from an empty stack
Stack Menu
 1.Push
 2.Pop
 3.Peek
 4.display
 5.Exit
Enter your choice:5
```