```python
1  from exceptions import Empty
2
3  class ArrayStack:
4      def __init__(self):
5          self._data = []
6      def __len__(self):
7          return len(self._data)
8      def is_empty(self):
9          return len(self._data) == 0
10
11     def push(self, e):
12         self._data.append(e)
13
14     def pop(self):
15         if self.is_empty():
16             raise Empty('Stack is Empty')
17         return self._data.pop()
18
19     def top(self):
20         if self.is_empty():
21             raise Empty('Stack is Empty')
22         return self._data[-1]
23
24  s = ArrayStack()
25  s.push(10)
26  s.push(20)
27  print('Stack: ', s._data)
28  print('Length: ', len(s))
29  print('Is-Empty: ',s.is_empty())
30  print('Popped: ', s.pop())
31  print('Stack: ', s._data)
32  print('Popped: ', s.pop())
33  print('Is-Empty: ',s.is_empty())
34  print('Stack: ', s._data)
35  s.push(30)
36  s.push(40)
37  print('Top Element: ',s.top())
38  print('Stack: ', s._data)
```