main.py   Output

```python
2   # Write Python 3 code in this online
        editor and run it.
3   def insert_at_bottom(stack, item):
4       if not stack:
5           stack.append(item)
6       else:
7           # Pop all elements and hold
                them until we reach the
                bottom
8           temp = stack.pop()
9           insert_at_bottom(stack, item)
10          # Push the popped elements back
11          stack.append(temp)
12
13  def reverse_stack(stack):
14      if stack:
15          # Pop the top element
16          temp = stack.pop()
17          # Reverse the remaining stack
18          reverse_stack(stack)
19          # Insert the popped element at
                the bottom of the reversed
                stack
20          insert_at_bottom(stack, temp)
21
22  # Example usage
23  stack = [1, 2, 3, 4, 5]
24  reverse_stack(stack)
25  print(stack)  # Output: [5, 4, 3, 2, 1]
```

Run

Programiz
Python Online Compiler

Programiz PRO

main.py | Output

```
[5, 4, 3, 2, 1]


=== Code Execution Successful ===
```