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 1 /*
 2  * CSE212
 3  * (c) BYU-Idaho
 4  * 03-Teach - Problem 1
 5  *
 6  * It is a violation of BYU-Idaho Honor Code to post or share this code with others or
 7  * to post it online.  Storage into a personal and private repository (e.g. private
 8  * GitHub repository, unshared Google Drive folder) is acceptable.
 9  *
10  */
11 Console.WriteLine("\n=====================\nSimple Stack\n=====================");
12 var stack = new Stack<int>();
13 stack.Push(1);  // 1
14 stack.Push(2);  // 2, 1
15 stack.Push(3);  // 3, 2, 1
16 stack.Pop();    // 2, 1
17 stack.Pop();    // 1
18 stack.Push(4);  // 4, 1
19 stack.Push(5);  // 5, 4, 1
20 stack.Pop();    // 4, 1
21 stack.Push(6);  // 6, 4, 1
22 stack.Push(7);  // 7, 6, 4, 1
23 stack.Push(8);  // 8, 7, 6, 4, 1
24 stack.Push(9);  // 9, 8, 7, 6, 4, 1
25 stack.Pop();    // 8, 7, 6, 4, 1
26 stack.Pop();    // 7, 6, 4, 1
27 stack.Push(10); // 10, 7, 6, 4, 1
28 stack.Pop();    // 7, 6, 4, 1
29 stack.Pop();    // 6, 4, 1
30 stack.Pop();    // 4, 1
31 stack.Push(11); // 11, 4, 1
32 stack.Push(12); // 12, 11, 4, 1
33 stack.Pop();    // 11, 4, 1
34 stack.Pop();    // 4, 1
35 stack.Pop();    // 1
36 stack.Push(13); // 13, 1
37 stack.Push(14); // 14, 13, 1
38 stack.Push(15); // 15, 14, 13, 1
39 stack.Push(16); // 16, 15, 14, 13, 1
40 stack.Pop();    // 15, 14, 13, 1
41 stack.Pop();    // 14, 13, 1
42 stack.Pop();    // 13, 1
43 stack.Push(17); // 17, 13, 1
44 stack.Push(18); // 18, 17, 13, 1
45 stack.Pop();    // 17, 13, 1
46 stack.Push(19); // 19, 17, 13, 1
47 stack.Push(20); // 20, 19, 17, 13, 1
48 stack.Pop();    // 19, 17, 13, 1
49 stack.Pop();    // 17, 13, 1
50 // Can you predict what what the stack will be?;
51 Console.WriteLine($"[stack]{{{string.Join(", ", stack)}}}");
52
```