

## Stacks

Implement a stack and show it off by writing a programme which reads numbers from `stacksin.txt`. After each number, print out the contents of the stack. However, if `-1` is given, pop the top item off the stack and then print its contents. If `-2` is given, quit. If the stack is empty after a pop, print 'stack is empty!'.

You may assume that your stack does not grow beyond 100 levels deep.

Sample input:

```
1
2
3
-1
-1
4
-1
-1
-2
```

Sample output:

```
1
1 2
1 2 3
1 2
1
1 4
1
stack is empty!
```