

# Evaluate Reverse Polish Notation

```
1 class Solution(object):
2     def evalRPN(self, tokens):
3         """
4         input: string[] tokens
5         return: int
6         """
7         # write your solution here
8         if len(tokens) == 0:
9             return 0
10        stack = []
11        for i in range(len(tokens)):
12            if tokens[i] == '+':
13                r = stack.pop()
14                l = stack.pop()
15                stack.append(l + r)
16            elif tokens[i] == '-':
17                r = stack.pop()
18                l = stack.pop()
19                stack.append(l - r)
20            elif tokens[i] == '*':
21                r = stack.pop()
22                l = stack.pop()
23                stack.append(l * r)
24            elif tokens[i] == '/':
25                r = stack.pop()
26                l = stack.pop()
27                stack.append(int(l / r))
28            else:
29                stack.append(int(tokens[i]))
30        return stack.pop()
```