

## PA13

LeetCode ID : ChenJiayang

### Submission Details

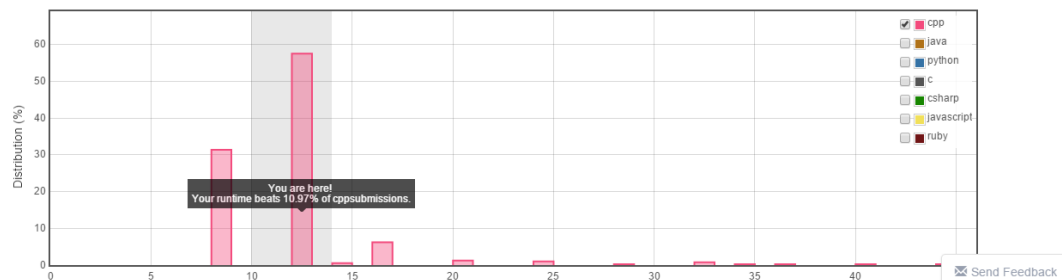
1481 / 1481 test cases passed.

Runtime: 12 ms

Status: Accepted

Submitted: 0 minutes ago

### Accepted Solutions Runtime Distribution



### Code (C++)

```
1- class Solution {
2- public:
3-     bool isNumber(string s) {
4-
5-         //去除前后空格
6-         int size = s.size();
7-         if(size == 0){
8-             return false;
9-         }
10-        int start = 0;
11-        while(s[start] == ' '){
12-            ++start;
13-        }
14-        int end = size - 1;
15-        while(s[end] == ' '){
16-            --end;
17-        }
18-
19-
20-        bool hasNum = false, hasPoint = false, hasE = false;
21-
22-        for(int i = start; i <= end; ++i)
23-        {
24-            if(s[i] == ',')
25-            {
26-                // 判断前面是否已经有了',' 或者 'e'
27-                if(hasPoint || hasE)
28-                {
29-                    return false;
30-                }
31-                hasPoint = true;
32-            }
33-            else if(s[i] == 'e')
34-            {
35-                // 判断前面是否已经有了'e'或者没数字
36-
37-                if(hasE || !hasNum)
38-                {
39-                    return false;
40-                }
41-                hasE = true;
42-            }
43-            else if(s[i] < '0' || s[i] > '9')
44-            {
45-                if(i == start && (s[i] == '+' || s[i] == '-'))
46-                {
47-                    continue;
48-                }
49-                else if((i != 0 && s[i-1] == 'e') && (s[i] == '+' || s[i] == '-'))
50-                {
51-                    continue;
52-                }
53-                else
54-                {
55-                    return false;
56-                }
57-            }
58-            else
59-            {
60-                hasNum = true;
61-            }
62-        }
63-        //判断最后不能是'e+-'
64-        if(s[end] == 'e' || s[end] == '+' || s[end] == '-')
65-        {
66-            return false;
67-        }
68-        if(!hasNum && hasPoint)
69-        {
70-            return false;
71-        }
72-        //如果全是空格
73-        if(end == -1)
```

```
73 {  
74     return false;  
75 }  
76 return true;  
77 }  
78 }
```