85. Mini Parser

QuestionEditorial Solution

My Submissions

Total Accepted: 2154
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Difficulty: Medium

Given a nested list of integers represented as a string, implement a parser to deserialize it.

Each element is either an integer, or a list -- whose elements may also be integers or other lists.

Note: You may assume that the string is well-formed:

- String is non-empty.
- String does not contain white spaces.
- String contains only digits 0-9, [, ,,].

Example 1:

Given s = "324", You should return a NestedInteger object which contains a single integer 324.

Example 2:

Given s = "[123,[456,[789]]]",Return a NestedInteger object containing a nested list with 2 elements:

- 1. An integer containing value 123.
- 2. A nested list containing two elements:
 - i. An integer containing value 456.

```
pos++;
                if(pos < s.length() && s[pos] == ',')</pre>
                    pos++;
            }
            else {
                string num;
                while(s[pos] != ']' && s[pos] != ',' && pos < s.length())
                    num += s[pos++];
                NestedInteger nestedInt(stoi(num));
                result.add(nestedInt);
                if(s[pos] == ']')
                    return result;
                pos++;
            }
        }
        return result;
    }
    NestedInteger deserialize(string s) {
        int pos = 0;
        if(s[0] == '[')
            return deserializeUtil(s, ++pos);
        return NestedInteger(stoi(s));
    }
};
```