StringStream ☆

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stringstream is a stream class to operate on strings. It basically implements input/output operations on memory (string) based streams. stringstream can be helpful in different type of parsing. The following operators/functions are commonly used here

- Operator >> Extracts formatted data.
- Operator << Inserts formatted data.
- Method str() Gets the contents of underlying string device object.
- Method str(string) Sets the contents of underlying string device object.

Its header file is sstream.

One common use of this class is to parse comma-separated integers from a string (e.g., "23,4,56").

```
stringstream ss("23,4,56");
char ch;
int a, b, c;
ss >> a >> ch >> b >> ch >> c;  // a = 23, b = 4, c = 56
```

You have to complete the function vector parseInts(string str). str will be a string consisting of comma-separated integers, and you have to return a vector of int representing the integers.

Note If you want to know how to push elements in a vector, solve the first problem in the STL chapter.

Input Format

The first and only line consists of n integers separated by commas.

Output Format

Print the integers after parsing it.

P.S.: I/O will be automatically handled. You need to complete the function only.

Sample Input

```
23,4,56
```

Sample Output

```
23
4
56
```

C++

```
 1    #include <sstream>
 2    #include <vector>
 3    #include <iostream>
 4    using namespace std;
 5
 6    vector<int> parseInts(string str) {
 7        // Complete this function
 8    }
 9
10    int main() {
11        string str;
12        cin >> str;
13        vector<int> integers = parseInts(str);
14        for(int i = 0; i < integers.size(); i++) {
15            cout << integers[i] << "\n";
16        }
17
18        return 0;
19    }
20
21
```

Line: 1 Col: 1

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