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# StringStream

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Problem

Submissions

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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



Submissions: [24033](#)

Max Score: 10

Difficulty: Easy

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Current Buffer (saved locally, editable)  

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     stringstream ss(str);    ///?
9     vector<int> result;
10    char ch;
11    int tmp;
12    while(ss >> tmp) {        ///?
13        result.push_back(tmp);
14        ss >> ch;            ///?
15    }
16    return result;
17 }
18
19 int main() {
20     string str;
21     cin >> str;
22     vector<int> integers = parseInts(str);
23     for(int i = 0; i < integers.size(); i++) {
24         cout << integers[i] << "\n";
25     }
26
27     return 0;
28 }
29
```

Line: 16 Col: 19

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code

## Congrats, you solved this challenge!

✓ Test Case #0

✓ Test Case #1

✓ Test Case #2

✓ Test Case #3

✓ Test Case #4

✓ Test Case #5

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