

## 20.1 Module 3 Project: Exception handling to detect input string vs. int

The given program reads a list of single-word first names and ages (ending with -1), and outputs that list with the age incremented. The program fails and throws an exception if the second input on a line is a string rather than an int. At **FIXME** in the code, add a try/catch statement to catch `ios_base::failure`, and output 0 for the age.

Ex: If the input is:

```
Lee 18
Lua 21
Mary Beth 19
Stu 33
-1
```

then the output is:

```
Lee 19
Lua 22
Mary 0
Stu 34
```

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LAB  
ACTIVITY

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main.cpp

Load default template...

```
1 #include <string>
2 #include <iostream>
3
4 using namespace std;
5
6 int main() {
7     string inputName;
8     int age;
9     // Set exception mask for cin stream
10    cin.exceptions(ios::failbit);
11
12    cin >> inputName;
13    while(inputName != "-1") {
14        // FIXME: The following line will throw an ios base::failure.
```

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//

*Insert a try/catch statement to catch the exception.***Develop mode****Submit mode**

Run your program as often as you'd like, before submitting for grading. Below, type any needed input values in the first box, then click **Run program** and observe the program's output in the second box.

Enter program input (optional)

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If your code requires input values, provide them here.

**Run program**

Input (from above)

**main.cpp**

(Your program)



Output

Program output displayed here

Coding trail of your work [What is this?](#)

History of your effort will appear here once you begin working on this zyLab.

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