Lab 7.1.1 Exceptions: input validation

Objectives

Familiarize the student with:

- situations when exceptions are thrown;
- the handling of exceptions.

Scenario

Improve this simple program so that it prints a message when the user inputs invalid data. Add code to throw the exception manually using the throw keyword when a user inputs 0.

```cpp
#include <iostream>
using namespace std;
int main(void) {
 int a = 8, b = 0, c = 0;
 cin >> b;
 try {
  //Your code here
  c = a / b;
 }
 // Your code here
 cout << c << endl;
 return 0;
}
```

Example input

2

Example output

4

Example input

0

Example output

```
Your input is not valid, you can't divide by zero.
0
```