Using the Conversion Functions

Your goal is to be able to compile <mark>exactly the same file</mark> in C++98, C++11, C++14 and C++17, and to <mark>get the same results each time</mark>. Click the "running-man" icon on the right to find our test program in **Replit**. Click the **Fork Repl** button so you have your own copy.

Switch to **Shell** window on the right and type <mark>make 17</mark>. You'll see that the program compiles and runs (although it terminates with an error when trying to convert "UB-40".)

```
~/Conversions$ make 17
g++ -std=c++17 -Wall -Werror -Wextra -pedantic -o conversions conversions.cpp
./conversions
stoi("42")->42
stod("3.14159")->3.14159
stoi("3.14159")->3
stod("4NonBlondes")->4
terminate called after throwing an instance of 'std::invalid_argument'
  what():  stoi
make: *** [makefile:12: 17] Aborted (core dumped)
~/Conversions$
```

Now, type <mark>make 98</mark> in the Shell. This will compile your program with <mark>C++98</mark>.

```
~/Conversions$ make 98
g++ -std=c++98 -Wall -Werror -Wextra -pedantic -o conversions conversions.cpp
conversions.cpp: In function 'int main()':
conversions.cpp:7:33: error: 'stoi' was not declared in this scope
   7 |     cout << "stoi(\"42\")->" << stoi("42") << endl;
     |                                 ^~~~
conversions.cpp:8:38: error: 'stod' was not declared in this scope; did you mean 'std'?
   8 |     cout << "stod(\"3.14159\")->" << stod("3.14159") << endl;
     |                                      ^~~~
     |                                      std
make: *** [makefile:15: 98] Error 1
~/Conversions$
```

OOPS! That doesn't look encouraging! What's wrong???

C++98 does not have those functions, so you get an <mark>undeclared identifier</mark>. You can fix that by <mark>implementing these two functions</mark> yourself, using the string stream classes.