

The *f2c* Program

Below you'll find the code for the *f2c* program. Use the arrow on the left to show and hide the code as we discuss its various features.

► *The *f2c* Source Code*

Comments

A **comment** is text provided for readers of your code; comments are ignored by the compiler. C++ has two kinds of comments:

- **Single-line** (`//`) are comments that end when the line ends.
- **Paired** (`/* ... */`) are comments which can enclose several lines.

Documentation comments (`/** ... */`) are paired comments, which start with `/**` instead of `/*`. The are processed using a tool called **Doxygen**. The *f2c* program begins with a documentation **file comment** (lines 1-6), which describes the program as a whole, and uses three **Doxygen tags**:

- **@file** contains the name of the program file and allows **Doxygen** to locate and identify the functions which it needs to document.
- **@author** should your CS 150 login id (such as **sgilbert**).
- **@version** should contain your CS 150 section (such as **Spring '24 MWAM**)

Functions also have documentation comments appearing **before** each one. Such comments start with a line describing the purpose of the functions, and then contain tags which describe the function **inputs and outputs**:

- **@param** is the name and description of each input, or **parameter**.
- **@return** describes the meaning of the output produced by the function.

Lines 24-28 in the sample code contain the documentation comment for the *convert* function. You'll learn more about documentation comments in the homework.



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