Input and Output Parameters

The solveQuadratic() function needs to use both input and output parameters. The arguments a, b, and c are input in this function, while root1 and root2 are output parameters, allowing the function to pass back the two roots to main.

Fatal Errors

Whenever this code encounters a condition that makes further progress impossible, it calls a function **die()** which prints a message and then terminates the program.

```
void die(const string& msg, int code = -1)
{
    cerr << "FATAL ERROR: " << msg << endl;
    exit(code);
}</pre>
```

- The cerr standard stream is similar to cout, but is reserved for reporting errors
- The **exit()** function terminates a program immediately, using the value of the parameter to report the program status.
- The default error code is set to -1. If you want to use different error codes for different errors, just pass the code when you call die() (preferably as a const)

This function could be useful in many programs, so you might put it in a utility library.



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