

# Assert, static\_assert, cerr

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```
//runtime assertions from <cassert library>  
assert(gravity > 0.0); //if its true ok.. If false error message is displayed and the program is terminated (via std::abort).
```

Use assertions to document cases that should be logically impossible.

```
assert(found && "Car could not be found in database"); //A string literal always evaluates to Boolean true
```

asserts should be used only in cases where corruption isn't likely to occur if the program terminates unexpectedly.

```
----- compile time evaluation  
//compile-time assertion keyword.. No need of header  
static_assert(condition, diagnostic_message)
```