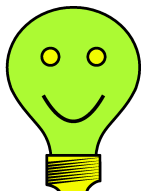


Debugging  
sucks.

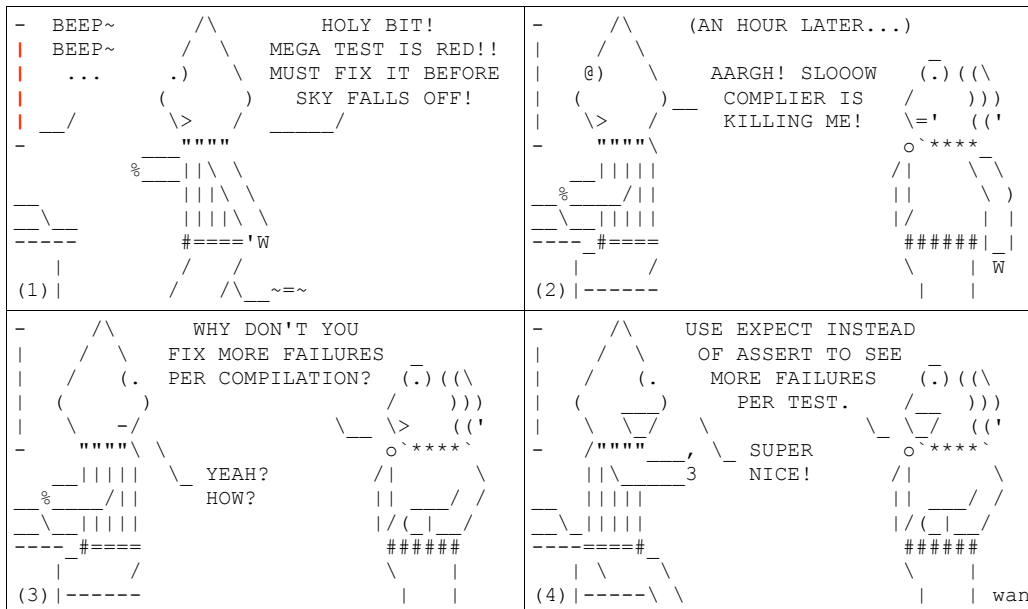


Testing rocks.

## Testing on the Toilet

July 10, 2008

# Expect Faster Turn-Around



Google C++ Testing Framework supports two families of assertions with the same interface:

- **ASSERT**: Fails fast, aborting the current function.
- **EXPECT**: Continues after the failure.

As Moka the code monkey has shown Uni the testing robot, **EXPECT** is often more appropriate because it:

- reveals more failures in a single run, and
- allows more to be fixed in a single edit/compile/run-tests cycle.

Example:

```
TEST(WordStemmerTest, StemsPluralSuffixes) {
    EXPECT_STREQ("jump", stemmer->Stem("jumps"));
    EXPECT_STREQ("pixi", stemmer->Stem("pixies"));
    EXPECT_STREQ("prioriti", stemmer->Stem("priorities"));
    // etc ...
}
```

Use **ASSERT** when it doesn't make sense to continue. Example:

```
TEST(FileGeneratorTest, CreatesFileContainingSequenceOfChars) {
    ASSERT_TRUE(fp = fopen(path, "r")) << "Failed to open " << path;
    ASSERT_EQ(10, fread(buffer, 1, 10, fp)) << "File " << path << " is too small";
    buffer[10] = '\\0';
    EXPECT_STREQ("123456789", buffer) << "File " << path << " is corrupted";
}
```

More information, discussion, and archives:

<http://googletesting.blogspot.com>



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