

C Programming

Commenting

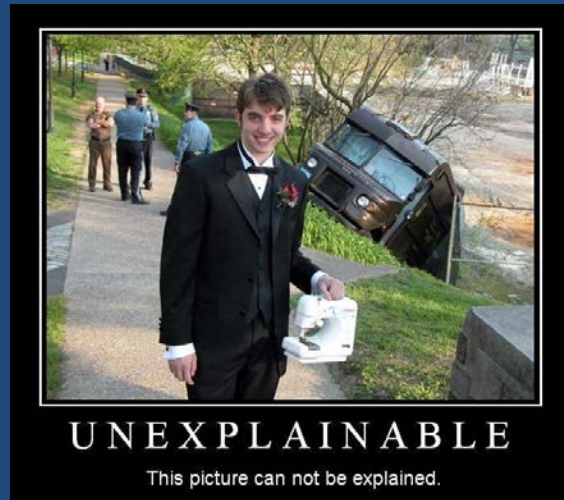
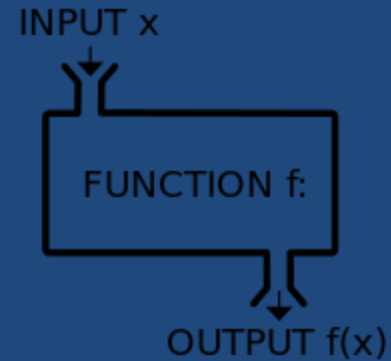


Different Types?

Header comments

Function comments

Code comments



Header comments

Every source
file

requires
a header
comment



REQUIRED



At the start of
the file

Contains
important info
about the file



Header comment contents

1. filename



Header comment contents

1. filename
2. project name (if different from filename)



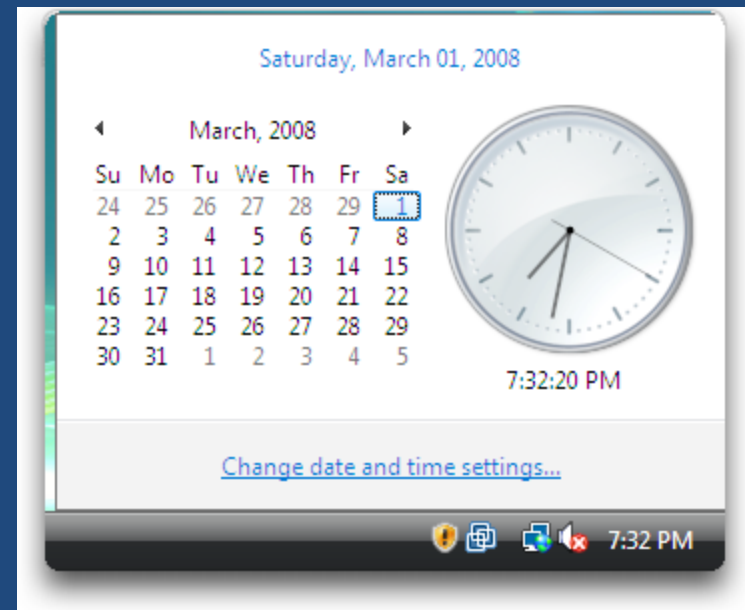
Header comment contents

1. filename
2. project name (if different from filename)
3. programmer's name(s)



Header comment contents

1. filename
2. project name (if different from filename)
3. programmer's name(s)
4. date of the file's first useful version



Header comment contents

1. filename
2. project name (if different from filename)
3. programmer's name(s)
4. date of the file's first useful version
5. description of the contents



I HAVE NO IDEA WHAT
YOU'RE TALKING ABOUT

So here's a cat with a biscuit on his head.

Description
describes
intent of the
contents

I MAY NOT HAVE
GONE WHERE I
INTENDED TO GO,
BUT I THINK I HAVE
ENDED UP WHERE I
NEEDED TO BE.

DOUGLAS ADAMS

[ZEROSEAN.COM](http://zerosean.com)

Sample Description

"This program takes Fahrenheit temperatures from the user and displays them as Kelvin and Celsius temperatures. The program loops until the user enters an invalid temperature."

Course Requirement!

It is a course requirement to
have a header comment in
each source file you hand in.



Follow the model used in the
Course Notes
(Chapter 2)

Review!

Is a header comment required
in your C file?

Review!

What 5 items should a header comment contain?

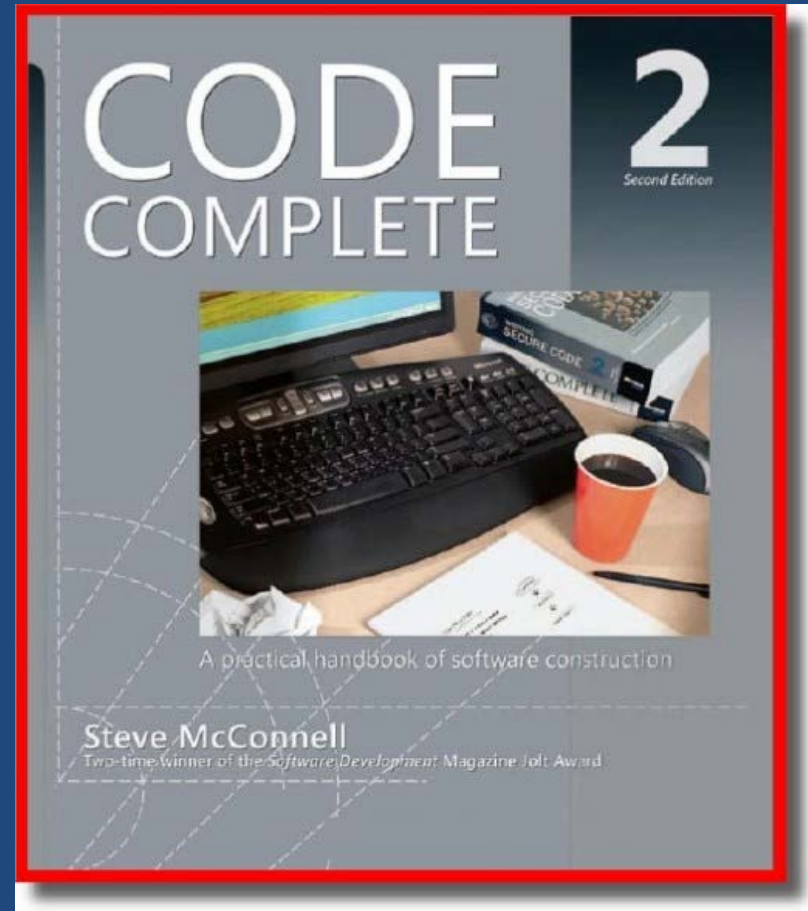
Function Comments



(or the week after)

Code Comments

Code Complete
has excellent
coverage of this
topic: Sections
32.3 to 32.5



Two good types of code comments

I. Summary of the code

- typically deals with a few lines of code

Executive Summary



Two good types of code comments

1. Summary of the code

2. Description of the code's intent

- deals with explaining the reasoning behind the code rather than the code itself

I MAY NOT HAVE
GONE WHERE I
INTENDED TO GO,
BUT I THINK I HAVE
ENDED UP WHERE I
NEEDED TO BE.

DOUGLAS ADAMS

Course Requirement

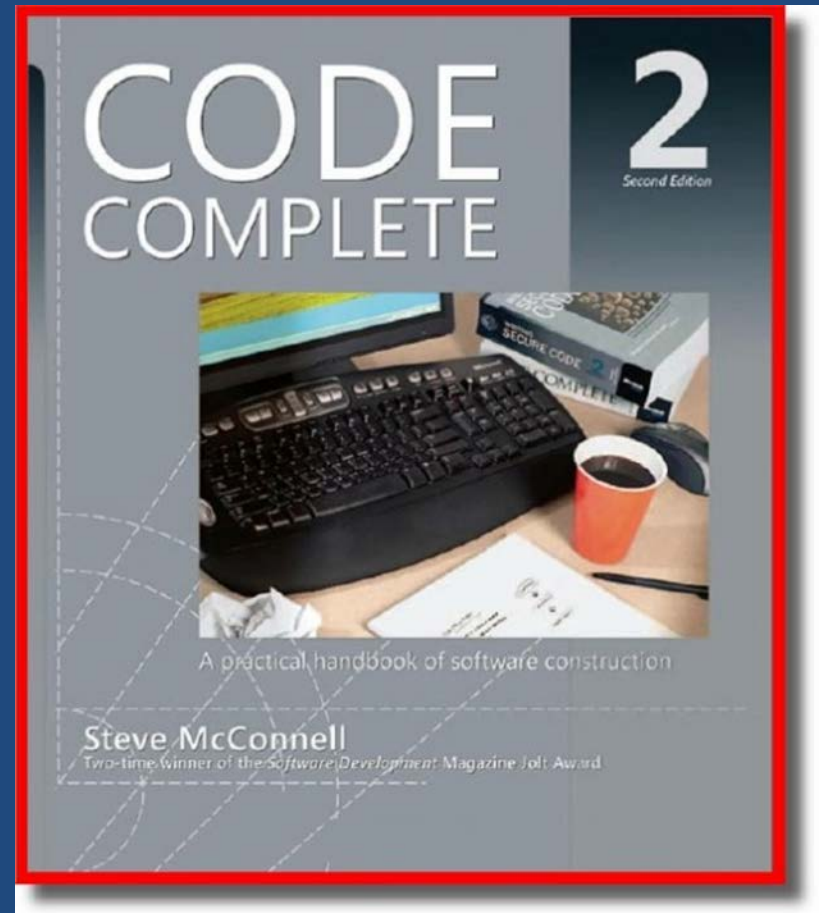
You must have code (inline)
comments in your assignments
and project



Your code
comments must
not simply be
repetition of the
code itself



Pages 788 to
809 in Code
Complete is
excellent for
this



Review!

Is it a good idea to comment every line of code? How about every second line?

Summary

1. Three types of comments:
header, function, code
2. Comments should add
information
3. Course Requirements