

601.220 Intermediate Programming

Header guards

Outline

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- When making our own `.h` files, we will include *header guards*
- Header guards useful for the case where your header contains *definitions*. It prevents definition duplications (which give compiler errors) when multiple `.c` files include the same `.h` file.
- This will be clearer when we discuss structs; for now, follow the pattern in the following example:

Header guards

```
// rectangle.h:  
// include lines like this at the top; change the all-caps  
// name to match the file name, rectangle.h in this case  
#ifndef RECTANGLE_H  
#define RECTANGLE_H  
  
struct rectangle { //you don't need to know what this is yet  
    int height;  
    int width;  
};  
  
// include this line at the bottom  
#endif
```