

io.c

Pull in the header file,
and the system
headers string.h and
errno.h

```
#include "c4.h"  
#include <string.h>  
#include <errno.h>
```

This function will
dump an Image
structure to a file, in
PPM format

```
void c4_io_out(struct Image *img,
               char *filename)
{
    FILE *file;
    int x,y;

    if(!(file = fopen(filename,"w"))) {
        fprintf(stderr,
            "c4_io_out: unable to open '%s' for writing: %s\n",
            filename,
            strerror(errno));
        return;
    }

    fprintf(file,
        "P6\n"
        "%d %d 255\n",
        img->width, img->height);

    for(y=0; y<img->height; y++)
        for(x=0; x<img->width; x++)
            fprintf(file,
                "%c%c%c",
                ImagePixel(img,x,y).r,
                ImagePixel(img,x,y).g,
                ImagePixel(img,x,y).b);

    fclose(file);
}
```