

cp

```
#define BUF_SIZE 4096
#define OUTPUT_MODE 0700

int main(int argc, char *argv[])
{
    int in, out, rbytes, wbytes;
    char buf[BUF_SIZE];

    if (argc != 3) exit(1);

    if ( (in = open(argv[1], O_RDONLY)) < 0 ) exit(2);

    if ( (out = creat(argv[2], OUTPUT_MODE)) < 0 ) exit(3);

    while (1) { /* Copy loop */
        if ( (rbytes = read(in, buf, BUF_SIZE)) <= 0 ) break;
        if ( (wbytes = write(out, buf, rbytes)) <= 0 ) exit(4);
    }

    close(in); close(out);
    if (rbytes == 0) exit(0); /* no error on last read */
    else exit(5);           /* error on last read */
}
```