

1* Intro. File `foo.dat` contains a list of pairs of positive integers. We set `foo.gb` to the (undirected) graph with those edges. (The base name ‘foo’ is given on the command line.)

```
#define maxm 10000
#include <stdio.h>
#include <stdlib.h>
#include "gb_graph.h"
#include "gb_save.h"
#include "gb_basic.h"
unsigned int u[maxm], v[maxm];
char fname[20];
FILE *infile;

main(int argc, char *argv[])
{
    Graph *g;
    register int k;
    unsigned int nn;
    if (argc ≠ 2) {
        fprintf(stderr, "Usage: %s foo\n", argv[0]);
        exit(-1);
    }
    sprintf(fname, "%s.dat", argv[1]);
    infile = fopen(fname, "r");
    if (!infile) {
        fprintf(stderr, "I can't read file '%s'!\n", fname);
        exit(-2);
    }
    for (k = 0, nn = 0; k < maxm; k++) {
        if (fscanf(infile, "%u%u", &u[k], &v[k]) ≠ 2) break;
        if (u[k] > nn) nn = u[k];
        if (v[k] > nn) nn = v[k];
    }
    if (k ≡ maxm) {
        fprintf(stderr, "Sorry, I can handle only %d edges!\n", maxm);
        exit(-1);
    }
    g = empty(nn + 1);
    for (k--; k ≥ 0; k--) gb_new_edge(g-vertices + u[k], g-vertices + v[k], 1);
    sprintf(g-id, "ezgraph_%s", argv[1]);
    sprintf(fname, "%s.gb", argv[1]);
    save_graph(g, fname);
    printf("Created graph %s with %ld vertices and %ld edges.\n", fname, g-n, g-m/2);
}
```

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EZGRAPH-NAMED

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