

```
1:
2: #include <stdio.h>
3:
4: #include "GeraGrafo.h"
5: #include "DegreeVectorAdjacencyList.h"
6:
7: #define NVERTEX 10
8: #define FILENAME_GRAFO "testedegrafo_gerado.grafo"
9: #define FILENAME_GRAFO_LIDO "testedegrafo_lido.grafo"
10:
11: int main( int argc, char ** argv )
12: {
13:     int debug = 2;
14:
15:     fprintf( stderr, "Gerando grafo com %d vertices\n", NVERTEX );
16:
17:     FILE * f = fopen( FILENAME_GRAFO, "w" );
18:
19:     GeraGrafo( f, NVERTEX, 1, debug );
20:
21:     fclose( f );
22:
23:     f = fopen( FILENAME_GRAFO, "r" );
24:
25:     DegreeVectorAdjacencyList grafo;
26:
27:     fprintf( stderr, "lendo arquivo do grafo gerado: %s\n", FILENAME_GRAFO );
28:
29:     grafo.read( f, debug );
30:
31:     fclose( f );
32:
33:     f = fopen( FILENAME_GRAFO_LIDO, "w" );
34:
35:     fprintf( stderr, "escrevendo arquivo do grafo lido: %s\n", FILENAME_GRAFO_LIDO );
36:
37:     grafo.write( f );
38:
39:     fclose ( f );
40:
41:     return 0;
42: }
```