

```
1 /*-----
2 Copyright (c) 2014 Author: Jagadeesh Vasudevamurthy
3 file: util.h
4 -----*/
5
6 /*-----
7 include this file for all the programs
8 -----*/
9 #ifndef UTIL_H
10 #define UTIL_H
11
12 /*-----
13 Basic include files
14 -----*/
15 #include <iostream>
16 #include <fstream>
17
18 #include <iomanip>      // std::setprecision
19 using namespace std;
20
21 #ifdef _WIN32
22 #include <cassert>
23 #include <ctime>
24 #include "vld.h" //Comment this line, if you have NOT installed Visual leak detector
25 #else
26 #include <assert.h>
27 #include <time.h>
28 #include <string.h> //for strlen, strcat and strcpy on linux
29 #endif
30
31 /*'sprintf': This function or variable may be unsafe. Consider using sprintf_s instead.To disable
   deprecation,
32 //use _CRT_SECURE_NO_WARNINGS
33 //To overcome above warning
34 #ifdef _MSC_VER
35 #pragma warning(disable: 4996) /* Disable deprecation */
36 #endif
37
38
39 /*-----
40 STL
41 -----*/
42 #include <stdexcept> //Without this catch will NOT work on Linux
43 #include <vector>
44 #include <string>
45
46 /*-----
47 All external here
48 -----*/
49 extern int Strcmp(const char* s1, const char* s2);
50 extern void Strcpy(char* s1, const char* s2);
51 extern void print_integer(const int& x);
52 extern void print_integer(const int*& x);
53 extern void print_integer(int& x);
54 extern void print_integer(int*& x);
55 extern int int_ascending_order(const int& c1, const int& c2);
56 extern int int_ascending_order(int* const& c1, int* const& c2);
57 extern int int_descending_order(const int& c1, const int& c2);
58 extern int int_descending_order(int* const& c1, int* const& c2);
59 extern void delete_int(int*& c);
60 extern void delete_charstar(char*& c);
61 extern int charcompare(const char& c1, const char& c2);
62 extern void print_char(char& c);
63 extern void print_string(char*& c);
64 extern void free_string(char*& c);
65 extern int string_descending_order(char* const& c1, char* const& c2);
```



```
66 extern int string_ascending_order(char* const& c1, char* const& c2);
67
68
69 #endif
70
71 //EOF
72
73
```