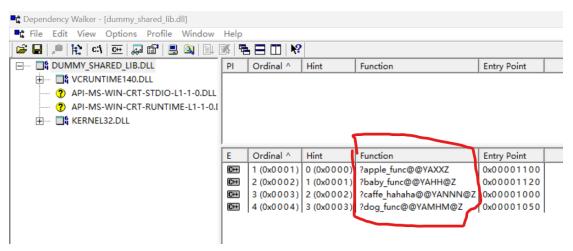
https://github.com/xuhancn/research_export_table.git

Windows: ordered symbols



gcc @ Linux: unordered symbols

```
(pytorch) xu@xu-21HW:~/github/research_export_table/build$ ls
CMakeCache.txt CMakeFiles cmake_install.cmake libdummy_shared_lib.so Makefile src
 (pytorch) xu@xu-21HW:~/github/research_export_table/build$ readelf -s libdummy_shared_lib.so -W
Symbol table '.dynsym' contains 10 entries:
           Size Type
0 NOTYPE
                                                                 Vis
DEFAULT
                                                                               Ndx Name
                                                       Bind
                                                       LOCAL
                                                                              UND
                                         0 NOTYPE
0 FUNC
                                                                              UND _ITM_deregisterTMCloneTable
UND printf@GLIBC_2.2.5 (2)
                                                       WEAK
                                                                 DEFAULT
                                                        GLOBAL DEFAULT
           000000000000000
                                       0 NOTYPE
0 NOTYPE
0 FUNC
56 FUNC
60 FUNC
                                                                                    __gmon_start__
_ITM_registerTMCloneTable
_exo_finalize@GLIBC_2.2.5 (2)
       3: 0000000000000000
4: 00000000000000000
                                                       WEAK
                                                                 DEFAULT
DEFAULT
                                                                              UND
                                                       WEAK
                                                                              LIND
       5: 0000000000000000
6: 00000000000011f3
                                                        WEAK
                                                                 DEFAULT
                                                                               14 _Z10apple_funcv
14 _Z9baby_funci
14 _Z8dog_funcif
14 _Z12caffe_hahahadd
                                                        GLOBAL DEFAULT
           0000000000011b7
                                                        GLOBAL DEFAULT
           000000000001119
                                        79 FUNC
                                                        GLOBAL DEFAULT
       9: 000000000001168
                                        79 FUNC
                                                       GLOBAL DEFAULT
Symbol table '.symtab' contains 30 entries:
           Value
00000000000000000000
                                    Size Type
0 NOTYPE
0 FILE
                                                                 Vis
DEFAULT
                                                                              Ndx Name
                                                       Bind
                                                       LOCAL
           0000000000000000
                                                        LOCAL
                                                                 DEFAULT
                                                                              ABS crtstuff.c
       2: 0000000000001060
3: 0000000000001090
4: 00000000000010d0
5: 00000000000004010
                                         0 FUNC
                                                        LOCAL
                                                                 DEFAULT
                                                                                14 deregister_tm_clones
                                                                                14 register_tm_clones
14 __do_global_dtors_aux
25 completed.0
                                                        LOCAL
                                         0 FUNC
                                                                 DEFAULT
                                                       LOCAL
LOCAL
                                         0 FUNC
                                                                 DEFAULT
                                          1 OBJECT
                                                                 DEFAULT
                                                                                20 __do_global_dtors_aux_fini_array_entry
14 frame_dummy
19 __frame_dummy_init_array_entry
           000000000003df0
                                         0
                                            OBJECT
                                                        LOCAL
                                                                 DEFAULT
           0000000000001110
                                            FUNC
                                                        LOCAL
                                                                 DEFAULT
                                                                              19 __frame_du
ABS src_a.cpp
           000000000003de8
                                         0 OBJECT
                                                        LOCAL
                                                                 DEFAULT
     0 FILE
0 FILE
                                                        LOCAL
                                                                 DEFAULT
                                                        LOCAL
                                                                 DEFAULT
                                                                              ABS src_b.cpp
                                         0 FILE
0 OBJECT
                                                       LOCAL
LOCAL
                                                                              ABS crtstuff.c
18 __FRAME_END_
                                                                 DEFAULT
                                                                 DEFAULT
           0000000000000000
                                         0 FILE
                                                        LOCAL
                                                                 DEFAULT
                                                                                    _fini
           00000000000122c
                                            FUNC
                                                        LOCAL
                                                                 DEFAULT
                                                                                24 __dso_handle
21 _DYNAMIC
17 __GNU_EH_FRAME_HDR
24 __TMC_END__
      15: 0000000000004008
16: 0000000000003df8
17: 000000000000205c
                                         0 OBJECT
                                                        LOCAL
                                                                 DEFAULT
                                                       LOCAL
LOCAL
                                            OBJECT
                                                                 DEFAULT
                                         0 NOTYPE
                                                                 DEFAULT
      18: 0000000000004010
19: 0000000000003fe8
                                            OBJECT
                                                        LOCAL
                                                                 DEFAULT
                                         0
                                                                                    _GLOBAL_OFFSET_TABLE_
                                         0
                                            OBJECT
                                                        LOCAL
                                                                 DEFAULT
                                                                                23
                                                                              10 _init
UND _ITM_deregisterTMCloneTable
UND printf@GLIBC_2.2.5
           000000000001000
                                         0 FUNC
                                                        LOCAL
                                                                 DEFAULT
           00000000000000000
                                            NOTYPE
                                                       WEAK
                                                                 DEFAULT
                                         0 FUNC
                                                        GLOBAL DEFAULT
      22: 0000000000000000
                                                                             UND printr@GLBC_2.2.5

14 _Z12caffe_hahahadd

14 _Z10apple_funcv

UND _gmon_start__

14 _Z9baby_funci

14 _Z8dog_funcif

UND _ITM_registerTMCloneTable

UND _cxa_finalize@GLIBC_2.2.5
     23: 000000000001168
24: 00000000000011f3
                                        79 FUNC
56 FUNC
                                                       GLOBAL DEFAULT
                                                        GLOBAL DEFAULT
      25: 0000000000000000
                                         0
                                            NOTYPE
                                                        WEAK
                                                                 DEFAULT
                                        60 FUNC
79 FUNC
      26: 00000000000011b7
                                                        GLOBAL DEFAULT
           000000000001119
                                                        GLOBAL DEFAULT
           NOTYPE
                                                       WEAK
                                                                 DEFAULT
                                         0 FUNC
                                                       WEAK
                                                                 DEFAULT
```

clang @ Linux: unordered symbols

```
(pytorch) xu@xu-21HW:~/giThub/research_export_table/build_cl$ ls
CMakeCache.txt CMakeFiles cmake_install.cmake libdummy_shared
                                                                           shared lib.so Makefile src
(pytorch) xu@xu-21HW:~/github/research_export_table/build_cl$ readelf -s libdummy_shared lib.so -W
Symbol table '.dynsym' contains 10 entries:
      im: Value
0: 000000000000000000
                                Size Type
                                                                      Ndx Name
                                     0 NOTYPE
                                                          DEFAULT
                                                 LOCAL
                                                                      UND
      UND printf@GLIBC_2.2.5 (2)
UND __cxa_finalize@GLIBC_2.2.5 (2)
UND _ITM_deregisterTMCloneTable
                                     0 FUNC
0 FUNC
                                                  GLOBAL DEFAULT
                                                  WEAK
                                                          DEFAULT
      3: 0000000000000000
                                     0 NOTYPE
                                                 WEAK
                                                          DEFAULT
                                                                      0000000000000000
                                       NOTYPE
                                                  WEAK
                                                          DEFAULT
                                     0
          00000000000000000
                                     0 NOTYPE
                                                  WEAK
                                                          DEFAULT
                                                                      INN _IM_registerIMClor
11 _Z10apple_funcv
11 _Z9baby_funci
11 _Z8dog_funcif
11 _Z12caffe_hahahadd
                                   51 FUNC
50 FUNC
          0000000000011f0
                                                  GLOBAL DEFAULT
      7: 0000000000011b0
                                                  GLOBAL DEFAULT
                                    66 FUNC
                                                  GLOBAL DEFAULT
      8: 000000000001110
      9: 000000000001160
                                    68 FUNC
                                                  GLOBAL DEFAULT
Symbol table '.symtab' contains 30 entries:
      im: Value
0: 000000000000000000
                                Size Type
0 NOTYPE
                                                 Bind
                                                                      Ndx Name
    Num:
                                                  LOCAL
                                                          DEFAULT
                                                                      UND
          00000000000000000
                                     0 FILE
                                                  LOCAL
                                                          DEFAULT
                                                                      ABS crtstuff.c
                                                                       11 deregister_tm_clones
11 register_tm_clones
11 _do_global_dtors_aux
22 completed.0
          000000000001050
                                     0 FUNC
                                                  LOCAL
                                                          DEFAULT
      3: 000000000001080
4: 00000000000010c0
5: 0000000000004010
                                     0 FUNC
                                                  LOCAL
                                                          DEFAULT
                                     0 FUNC
                                                  LOCAL
                                                          DEFAULT
                                                 LOCAL
                                       OBJECT
                                                          DEFAULT
          000000000003dc0
                                       OBJECT
                                                  LOCAL
                                                          DEFAULT
                                                                             _do_global_dtors_aux_fini_array_entry
      6:
                                                                       17 __do_grosa__
11 frame_dummy
16 __frame_dummy_init_array_entry
          000000000001100
                                       FUNC
                                                  LOCAL
                                                          DEFAULT
          000000000003db8
                                     0
                                       OBJECT
                                                  LOCAL
                                                          DEFAULT
                                                                      16 __frame_a.
ABS src_a.cpp
ABS src_b.cpp
          0000000000000000
                                     0 FILE
                                                  LOCAL
                                                          DEFAULT
     0 FILE
                                                  LOCAL
                                                          DEFAULT
                                     0 FILE
                                                  LOCAL
                                                          DEFAULT
                                                                      ABS crtstuff.c
                                                          DEFAULT
                                     0 OBJECT
                                                 LOCAL
                                                                       15
                                                                           __FRAME_END_
                                                  LOCAL
                                       FILE
                                                          DEFAULT
                                                                      ABS
                                     0
     14: 0000000000002044
                                       NOTYPE
                                                 LOCAL
                                                          DEFAULT
                                                                             _GNU_EH_FRAME_HDR
                                                                       21 __dso_handle
12 _fini
8 _init
18 _DYNAMIC
          000000000004008
                                       OBJECT
                                                  LOCAL
                                                          DEFAULT
     15:
                                       FUNC
FUNC
          000000000001224
                                     0
                                                  LOCAL
                                                          DEFAULT
          000000000001000
                                     0
                                                  LOCAL
                                                          DEFAULT
                                                                     18 _DYNAMIC
21 _ TMC_END_
20 _GLOBAL_OFFSET_TABLE_
UND printf@GLIBC_2.2.5
UND _cxa_finalize@GLIBC_2.2.5
11 _Z12caffe_hahahadd
11 _Z8dog_funcif
11 _Z10apple_funcv
11 _Z9baby_funci
UND _ITM_deregisterTMCloneTable
UND _gmon_start
     18:
          00000000003dc8
                                     0 OBJECT
                                                  LOCAL
                                                          DEFAULT
     19: 0000000000004010
20: 0000000000003fe8
                                                  LOCAL
                                     0 OBJECT
                                                          DEFAULT
                                       OBJECT.
                                                 LOCAL
                                                          DEFAULT
                                     0
     21: 00000000000000000
                                       FUNC
FUNC
                                                  GLOBAL
                                                          DEFAULT
                                     0
                                                 WEAK DEFAULT
GLOBAL DEFAULT
     22: 00000000000000000
     23: 000000000001160
                                       FUNC
                                    68
          000000000001110
                                    66
                                       FUNC
                                                  GLOBAL DEFAULT
     25: 0000000000011f0
                                    51
                                       FUNC
                                                  GLOBAL DEFAULT
     26: 00000000000011b0
                                       FUNC
                                                 GLOBAL
                                                          DEFAULT
     27: 0000000000000000
28: 0000000000000000
                                    0 NOTYPE WEAK
0 NOTYPE WEAK
                                                          DEFAULT
```