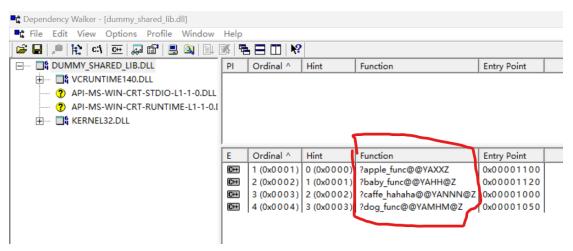https://github.com/xuhancn/research_export_table.git

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:
   Num:    Value          Size Type    Bind   Vis      Ndx Name
     0: 0000000000000000     0 NOTYPE  LOCAL  DEFAULT  UND
     1: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND _ITM_deregisterTMCloneTable
     2: 0000000000000000     0 FUNC    GLOBAL DEFAULT  UND printf@GLIBC_2.2.5 (2)
     3: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND __gmon_start__
     4: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND _ITM_registerTMCloneTable
     5: 0000000000000000     0 FUNC    WEAK   DEFAULT  UND __cxa_finalize@GLIBC_2.2.5 (2)
     6: 00000000000011f3    56 FUNC    GLOBAL DEFAULT   14 _Z10apple_funcv
     7: 00000000000011b7    60 FUNC    GLOBAL DEFAULT   14 _Z9baby_funci
     8: 0000000000001119    79 FUNC    GLOBAL DEFAULT   14 _Z8dog_funcif
     9: 0000000000001168    79 FUNC    GLOBAL DEFAULT   14 _Z12caffe_hahahadd

Symbol table '.symtab' contains 30 entries:
   Num:    Value          Size Type    Bind   Vis      Ndx Name
     0: 0000000000000000     0 NOTYPE  LOCAL  DEFAULT  UND
     1: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS crtstuff.c
     2: 0000000000001060     0 FUNC    LOCAL  DEFAULT   14 deregister_tm_clones
     3: 0000000000001090     0 FUNC    LOCAL  DEFAULT   14 register_tm_clones
     4: 00000000000010d0     0 FUNC    LOCAL  DEFAULT   14 __do_global_dtors_aux
     5: 0000000000004010     1 OBJECT  LOCAL  DEFAULT   25 completed.0
     6: 0000000000003df0     0 OBJECT  LOCAL  DEFAULT   20 __do_global_dtors_aux_fini_array_entry
     7: 0000000000001110     0 FUNC    LOCAL  DEFAULT   14 frame_dummy
     8: 0000000000003de8     0 OBJECT  LOCAL  DEFAULT   19 __frame_dummy_init_array_entry
     9: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS src_a.cpp
    10: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS src_b.cpp
    11: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS crtstuff.c
    12: 0000000000002190     0 OBJECT  LOCAL  DEFAULT   18 __FRAME_END__
    13: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS
    14: 000000000000122c     0 FUNC    LOCAL  DEFAULT   15 _fini
    15: 0000000000004008     0 OBJECT  LOCAL  DEFAULT   24 __dso_handle
    16: 0000000000003df8     0 OBJECT  LOCAL  DEFAULT   21 _DYNAMIC
    17: 000000000000205c     0 NOTYPE  LOCAL  DEFAULT   17 __GNU_EH_FRAME_HDR
    18: 0000000000004010     0 OBJECT  LOCAL  DEFAULT   24 __TMC_END__
    19: 0000000000003fe8     0 OBJECT  LOCAL  DEFAULT   23 _GLOBAL_OFFSET_TABLE_
    20: 0000000000001000     0 FUNC    LOCAL  DEFAULT   10 _init
    21: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND _ITM_deregisterTMCloneTable
    22: 0000000000000000     0 FUNC    GLOBAL DEFAULT  UND printf@GLIBC_2.2.5
    23: 0000000000001168    79 FUNC    GLOBAL DEFAULT   14 _Z12caffe_hahahadd
    24: 00000000000011f3    56 FUNC    GLOBAL DEFAULT   14 _Z10apple_funcv
    25: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND __gmon_start__
    26: 00000000000011b7    60 FUNC    GLOBAL DEFAULT   14 _Z9baby_funci
    27: 0000000000001119    79 FUNC    GLOBAL DEFAULT   14 _Z8dog_funcif
    28: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND _ITM_registerTMCloneTable
    29: 0000000000000000     0 FUNC    WEAK   DEFAULT  UND __cxa_finalize@GLIBC_2.2.5
```

clang @ Linux:  unordered symbols

```
(pytorch) xu@xu-21HW:~/github/research_export_table/build_cl$ ls
CMakeCache.txt  CMakeFiles  cmake_install.cmake  libdummy_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:
   Num:    Value          Size Type    Bind     Vis      Ndx Name
     0: 0000000000000000     0 NOTYPE  LOCAL  DEFAULT  UND
     1: 0000000000000000     0 FUNC    GLOBAL DEFAULT  UND printf@GLIBC_2.2.5 (2)
     2: 0000000000000000     0 FUNC    WEAK   DEFAULT  UND __cxa_finalize@GLIBC_2.2.5 (2)
     3: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND _ITM_deregisterTMCloneTable
     4: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND __gmon_start__
     5: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND _ITM_registerTMCloneTable
     6: 00000000000011f0    51 FUNC    GLOBAL DEFAULT   11 _Z10apple_funcv
     7: 00000000000011b0    50 FUNC    GLOBAL DEFAULT   11 _Z9baby_funci
     8: 0000000000001110    66 FUNC    GLOBAL DEFAULT   11 _Z8dog_funcif
     9: 0000000000001160    68 FUNC    GLOBAL DEFAULT   11 _Z12caffe_hahahadd

Symbol table '.symtab' contains 30 entries:
   Num:    Value          Size Type    Bind     Vis      Ndx Name
     0: 0000000000000000     0 NOTYPE  LOCAL  DEFAULT  UND
     1: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS crtstuff.c
     2: 0000000000001050     0 FUNC    LOCAL  DEFAULT   11 deregister_tm_clones
     3: 0000000000001080     0 FUNC    LOCAL  DEFAULT   11 register_tm_clones
     4: 00000000000010c0     0 FUNC    LOCAL  DEFAULT   11 __do_global_dtors_aux
     5: 0000000000004010     1 OBJECT  LOCAL  DEFAULT   22 completed.0
     6: 0000000000003dc0     0 OBJECT  LOCAL  DEFAULT   17 __do_global_dtors_aux_fini_array_entry
     7: 0000000000001100     0 FUNC    LOCAL  DEFAULT   11 frame_dummy
     8: 0000000000003db8     0 OBJECT  LOCAL  DEFAULT   16 __frame_dummy_init_array_entry
     9: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS src_a.cpp
    10: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS src_b.cpp
    11: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS crtstuff.c
    12: 0000000000002158     0 OBJECT  LOCAL  DEFAULT   15 __FRAME_END__
    13: 0000000000000000     0 FILE    LOCAL  DEFAULT  ABS
    14: 0000000000002044     0 NOTYPE  LOCAL  DEFAULT   14 __GNU_EH_FRAME_HDR
    15: 0000000000004008     0 OBJECT  LOCAL  DEFAULT   21 __dso_handle
    16: 0000000000001224     0 FUNC    LOCAL  DEFAULT   12 _fini
    17: 0000000000001000     0 FUNC    LOCAL  DEFAULT    8 _init
    18: 0000000000003dc8     0 OBJECT  LOCAL  DEFAULT   18 _DYNAMIC
    19: 0000000000004010     0 OBJECT  LOCAL  DEFAULT   21 __TMC_END__
    20: 0000000000003fe8     0 OBJECT  LOCAL  DEFAULT   20 _GLOBAL_OFFSET_TABLE_
    21: 0000000000000000     0 FUNC    GLOBAL DEFAULT  UND printf@GLIBC_2.2.5
    22: 0000000000000000     0 FUNC    WEAK   DEFAULT  UND __cxa_finalize@GLIBC_2.2.5
    23: 0000000000001160    68 FUNC    GLOBAL DEFAULT   11 _Z12caffe_hahahadd
    24: 0000000000001110    66 FUNC    GLOBAL DEFAULT   11 _Z8dog_funcif
    25: 00000000000011f0    51 FUNC    GLOBAL DEFAULT   11 _Z10apple_funcv
    26: 00000000000011b0    50 FUNC    GLOBAL DEFAULT   11 _Z9baby_funci
    27: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND _ITM_deregisterTMCloneTable
    28: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND __gmon_start__
    29: 0000000000000000     0 NOTYPE  WEAK   DEFAULT  UND _ITM_registerTMCloneTable
(pytorch) xu@xu-21HW:~/github/research_export_table/build_cl$
```