① ELF : (executable and linkable Format) is a common file Format used For executables object code shared, shared liabraries and core dumps in Unix and unix like operating systems. The analyse on ELF File we can use various tools such as:-

② Objdumps: the tool is a part of GNU Bin utils package and provides a wide range of information about object files and executables in various Format Including ELF. Objdump can display disassembled code sections symbols, relocation information & more.

③ readiF: the tool is specifically designed to display the contents of ELF File, it provides a detailed overview of the ELF File header, program & section header, symbols & other attributes.

④ gdb: the GNU Debugger or gdb can be used to debug and analyse ELF files. It can display dissessembled code, set code breakpoint examine memory and execute commands while program is running.

⑤ Nm: this tool list symbols from object file & executables including those in ELF Format It can display symbol names values & types.

⑥ Idd: this tool is list-shared library depend For an ELF File It can help identify missing or incomplete libraries required to run program.

② strace: this tool traces system calls & signal made by program allocating any & allowing to see how it interacts with operating system. It can be useful for troubleshooting issues with ELF file that system specific system calls.