Ques 5-0 ELF files: ELF is the appreviation for executable & Linkable format and defines the structure for puraries elbraries and nose files. The formal specifications allows the operating system to interpret its underlying machine instructions correctly. Est neader displays: The est file is agnanically linked (DYN-shared object file) readelf -a <filename> when we compare The neadelf for both Ine correct compiled file to gcc q5.c and q5.out, we see that program header section differs Ine 95 out file snows -> Requesting interpreter ./ leschand 64 - 2.27 - 3 ubuntu 1 - 1386.1d a out (versect file version) shows - Requesting program interpreter:/lisb4/ld-linex-x86-64. TO correct this we use the patchelf command parchay -- set - interpreter/leb 64/ld-linux-x86-64 Etnie is because une est file follows untel < 86-64 aschitecture and not and 643

b) Binary file: onis is a type of file that is used to store data in the form of contiguous file bytes. Here method of reading is not defined.
mese files usually contain instruction in anois
header to determine how to seed the data of
in them. Is asically, schary fills conduct bytes
are intended to be interpreted as something other
than text characters.
Moseover, binary files provide multiple benefits compared to plain text files.
- Efficiency via compression: PMY is a great example
of this because it can be used to create small and
efficient image files
Better security: Allows susinesses to create custom
encoding standards, vonion can be difficult to reverse
engineer.
Difficult to manipulate: Cannot be read by Text processor
so editing them is a difficult task.
The second of th
rongignation data related to software projects are
usually stored in binary files. They offer unmatined
speed and efficiency when carrying our operations
on the stored data.
The only requirement that they present is to have a suitable program for neading such kind of
data present in the system.
plso, one important note: Of a binary file's header
is damaged, at is equivalent to the key being to
vonich means you cannot access meagningful data
pocom the file anymore.