214189E - Senarathna G.G.P.C

01)

a) : file location.
   file name.
   file extention. / format / type.
   file size.
   date and time in file created.

b) : There are two different ways to specify the location
   of a file.

   1. Absolute path - it specify the exact location of a file
      or diretion of a directory. It specify
      from the root to the desired file.
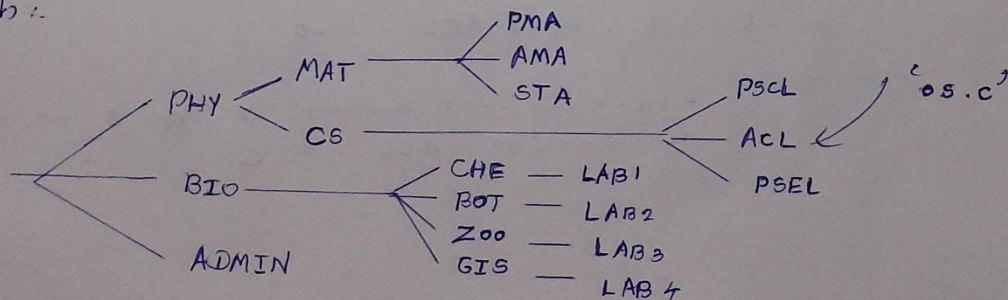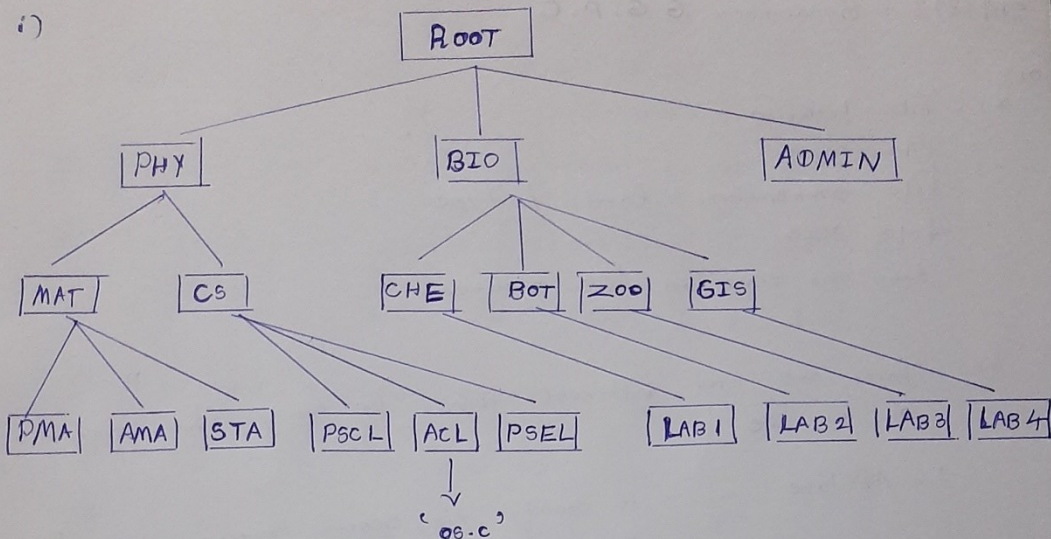
      Ex:

   2. Relative path - it spesify the location of a file
      relative to the current working
      directory or another retterence
      point.

      Ex :-

   ∴ Absolute path ∅ is not portable, but Relative path
     ¯is a much portable. because they are based on
     Current content or location.

   d) :-

i)


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                          ┌──────┐
                          │ ROOT │
                          └──────┘
         ┌───────┐        ┌──────┐              ┌───────┐
         │ PHY   │        │ BIO  │              │ ADMIN │
         └───────┘        └──────┘              └───────┘
     ┌──────┐  ┌────┐   ┌─────┐ ┌─────┐ ┌─────┐ ┌─────┐
     │ MAT  │  │ CS │   │ CHE │ │ BOT │ │ ZOO │ │ GIS │
     └──────┘  └────┘   └─────┘ └─────┘ └─────┘ └─────┘
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PMA AMA STA   PScL ACL PSEL   LAB1 LAB2 LAB3 LAB4

ACL → "os.c"

ii) a) / ROOT / PHY / MAT / AMA

   b) ... / ... / CS / ACL / os.c

   c) ln -s ... / ... / PHY / CS / ACL / os.c   root.c

   d) mkdir ... / ... / ADMIN / LHI

           or

      ... / ... / ADMIN / mkdir LHI

   e) " ... / ... / CS / ACL / os.c "   is current working
      directory.

      ls -l ... / ... / CS / ACL / os.c

      ⟶ output   - rw-r--r-- 1 onworking 0 app 8 09.34
                 ... / ... / CS / ACL / os.c

① "—" ⟶ regular file.

② " rw - " ⟶ read and write allowed.
(owner's permission)

③ " r-- " ⟶ groups permission (read only)

④ " r-- " ⟶ others permission (read only)

⑤ " 1 " ⟶ Number of hard link to file.

⑥ " on works " ⟶ owner of the file.

⑦ " 0 " ⟶ file size in bytes (empty file)

⑧ " Sep 8 9.34 " ⟶ Last modifer date and time.