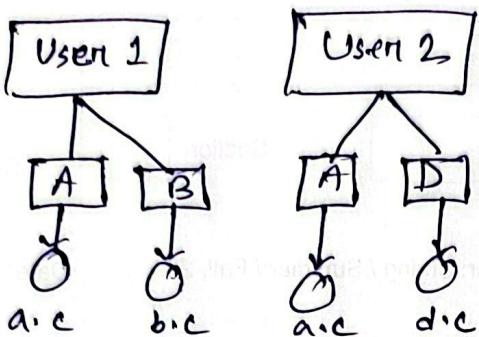


## Questions from File System

① Compare between the different directory structures.

②

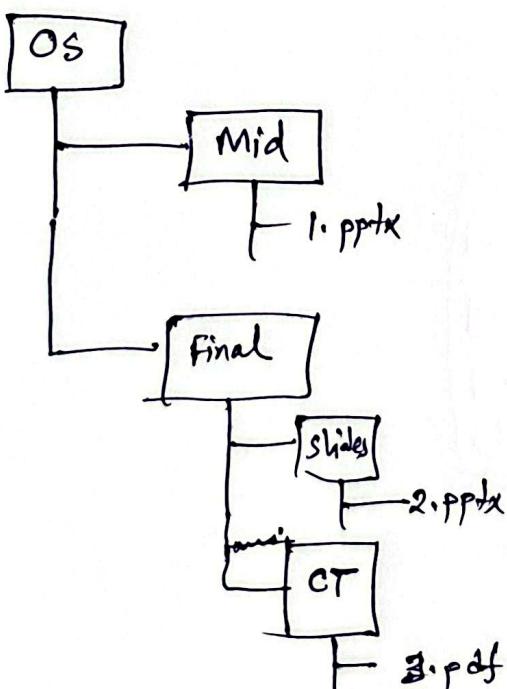


All the four 'c' files are different

i) Implement the given organization using single level directory structure.

ii) What problem(s) arise while implementing in (i)?  
Which directory structure can be used to solve the problem(s)?

③

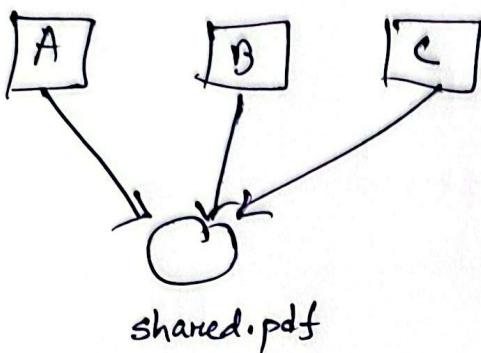


i) Implement the given organization using single level directory structure.

ii) What problem(s) arise while implementing in (i)?  
Suggest a solution.

④ What is dangling pointer? Discuss the methods to solve this problem.

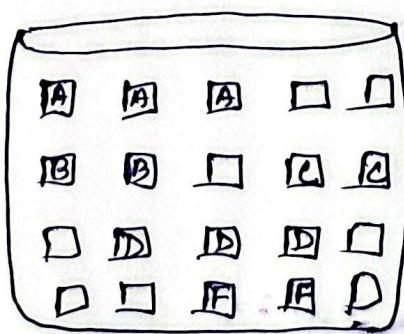
⑤



If we delete folder A (along with its subtree), then what will happen? How can you solve the problem?

⑥ Consider a file system allocation method where random access and efficient utilization of disk is required. Which allocation method will you use and why?

⑦



⑧ Describe the file allocation method shown in above diagram?

⑨ If a new file, G of size 4 blocks comes, can it be stored? Why or why not?