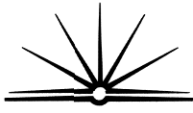




Q21) a) A file server is used to control which computers can access which information. This Computer 005 would act as a hub and if the other computers wanted to access information then computer 005 would either grant them access or deny them access to their specific request. A file server would also contain a lot of the ~~paper~~ files in which are common to all computers to reduce data redundancy.

b) The data redundancy contained in Mr Ferraro's database are the columns "Room Number" and "Location" as they are both telling you the same thing, where the computer is and this is duplicated data and taking up room on the system. As the systems grows in size the amount of redundant data will also grow. This causes the system to slow down and also allows for less room for other more important files to be added to the database. May cause the system to crash as too much space is taken up in redundant data. Slows down system. The phone



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extension could also be seen as redundant data if it was not essential to be included in the database because the location determines the phone number.

