



21(a) A file server is a computer that allows different computers to store ~~and~~ and share data from that computer, (allows ~~the~~ other users of the network to access the computer's data and information).

(b) Data redundancy of Computer number ^{'001'} ~~001~~ and ^{'002'} ~~002~~, and '003' and '004' (Reception and Manager's office). ~~The Data re~~

Redundant data takes up unnecessary storage space and when the database increases in size, more unnecessary storage space would be taken up by more redundant data, and therefore uses up space for data that is required. ~~To get~~

^{Normalising} ~~the~~ Redundant data will free up space and ~~to~~ allow more useful data to be stored.

(c). Table 1.

	Room Number.	Phone ext.	Location.
Primary key	9023.	3227.	Reception
	9115	1859.	Manager's office
	9153.	2016.	Store Room 3.

PTO



Table 2

foreign key

Computer Number	Computer Harddisk	Computer Ram
001	6	64
002	10	64
003	8	128
004	8	96
005	40	256

