

Start here for
 Question Number: **22**

a. A thin client relies on a main server to run. All the main software programs are saved and installed on the main server and the thin client reads off the server. A fat client ~~is~~ is a computer which doesn't have to rely on the server to run. The main programs are stored on the fat ~~the~~ computer so it doesn't have to run programs off the main server.

b. i.	Field name	Data Type	Size.	Example
	Parent's the Surname	String	20	the Smith
	Parent's given name.	String	20	John
	Fees paid	String Boolean.	3	Yes, No.
	Amount Paid	Currency	8 8	\$ 864.82
	Student's Surname	String	20	Smith
	Student's Given name	String	20	Jacob
	Student's ID	Number	10	12128217
	Date of payment	Date/Time.	10	25/2/2007

ii. Before the data is sent over to the school server, the data is encrypted so that no ~~an~~ unauthorized users can access personal information or financial information of the parents. Then the data is sent online as packets of data and received by the school server. The school server then decrypts the data and has access to the information given by the parents.

iii. One error detection method which could be used is a cyclic redundancy check (CRC). CRC is done by converting all the bits being sent over to a decimal number and uses division to check if the remainder of the sent data is the same once it reaches the school server. This method is highly effective as it has an extremely high error detecting percentage.

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