1.

a. Okay Fred, this is a good start and with a bit of refinement it will be a great database.

b.

Output pane

	packageid character(8)	tagnumber numeric(8,0)	installdate character varying(10)	softwarecostusd numeric(8,2)
1	AC01	32808	09-13-2005	754.95
2	DB32	32808	12-03-2005	380.00
3	DB32	37691	06-15-2005	380.00
4	DB33	57772	05-27-2005	412.77
5	WP08	32808	01-12-2006	185.00
6	WP08	37691	06-15-2005	227.50
7	WP08	57772	05-27-2005	170.24
8	WP09	59536	10-30-2005	35.00
9	WP09	77740	05-27-2005	35.00

c. The primary key is a composite key made up of both PackageID and TagNumber.

2.

a.

Output pane

	packageid character(8)	tagnumber numeric(8,0)	installdate character varying(10)	softwarecostusd numeric(8,2)	packagename character varying(32)	computermodel character varying(12)
1	AC01	32808	09-13-2005	754.95	Half-Life 3	Dell
2	DB32	32808	12-03-2005	380.00	Pablo"s Adveture	Dell
3	DB32	37691	06-15-2005	380.00	Pablo"s Adventure	Mac
4	DB33	57772	05-27-2005	412.77	Pablo"s Adventure 2	Lenovo
5	WP08	32808	01-12-2006	185.00	Call of Database	Dell
6	WP08	37691	06-15-2005	227.50	Call of Database	Mac
7	WP08	57772	05-27-2005	170.24	Call of Databse	Lenovo
8	WP09	59536	10-30-2005	35.00	Call of Database 2	Microsoft
9	WP09	77740	05-27-2005	35.00	Call of Dtabase 2	Alienware

b. PackageID functionally defines packagename

since the software package they identify can't have different names for the same thing

Tagnumber functionally defines computermodel

The same computer can't be more than one model of computer, a computer can be a Mac or a Dell, but not a MacDell.

PackageID, and tagnumber functionally determine installdate and softwarecostusd

Since there are multiple of the same installdates, softwarecostusds, packageids and tagnumbers no single field can be used to determine the other.

c. The table isn't in third normal form because there are multiple key dependencies for installdate and softwarecostusd

3.

a. I am breaking the table into two smaller tables: Software Packages and Hardware. The software packages table is made up of PackageID, TagNumber, SoftwareCostUSD, and PackageName. The hardware table is made up of TagNumber, InstallDate, and ComputerModel. The primary key for hardware is TagNumber, and the primary key software packages is a composite key made up of PackageID and TagNumber.

b.

c.

d.

Hey I didn't finish this as I got stuck on the last part and noticed that my work was wrong and I'm a bit confused so I'm going to turn it in like this and come see you and get some help with this.