

Part One:

1. I would tell the CEO that it is a well-organized spreadsheet and ask him what the definite order of it is and tell him that there is room for improvement.
- 2.

PackageID	TagNumber	InstallDate	SoftwareCost
AC01	32808	09-13-2005	754.95
DB32	32808	12-03-2005	380.00
DB32	37691	06-15-2005	380.00
DB33	57772	05-27-2005	412.77
WP08	32808	01-12-2006	185.00
WP08	37691	06-15-2005	227.50
WP08	57222	05-27-2005	170.24
WP09	59836	10-30-2005	35.00
WP09	77740	05-27-2005	35.00

3. The primary key would be a composite of the PackageID and TagNumber.

Part Two:

- 4.

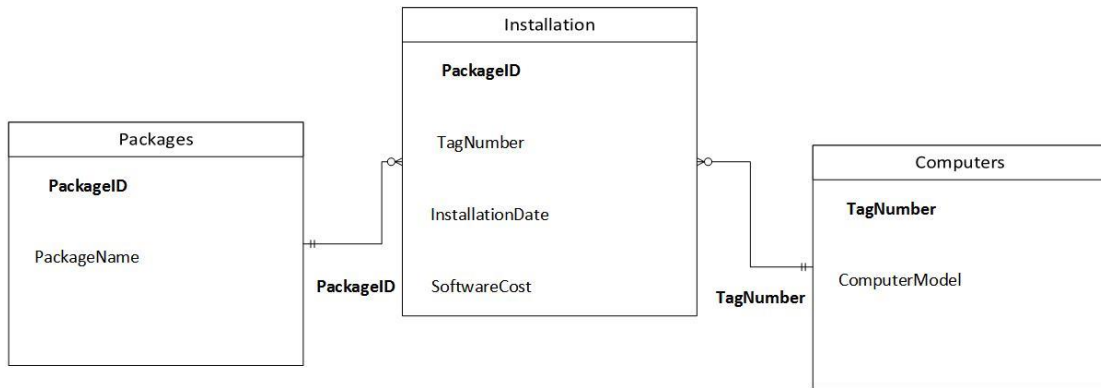
PackageID	TagNumber	InstallDate	SoftwareCost	PackageName	CompModel
AC01	32808	09-13-2005	754.95	Portal	Windows
DB32	32808	12-03-2005	380.00	Sims	MAC
DB32	37691	06-15-2005	380.00	Portal	Linux
DB33	57772	05-27-2005	412.77	Sims	MAC
WP08	32808	01-12-2006	185.00	Tetris	Linux
WP08	37691	06-15-2005	227.50	Sims	Windows
WP08	57222	05-27-2005	170.24	Portal	Linux
WP09	59836	10-30-2005	35.00	Sims	MAC
WP09	77740	05-27-2005	35.00	Tetris	Windows

5. PackageName is dependent on PackageID, CompModel is dependent on TagNumber, and InstallDate and SoftwareCost is dependant on PackageID and TagNumber.
6. The table is not in third nominal form because as it is now everything depends on the PackageID

Part Three:

7. The Packages table should have PackageID as the primary key, the Installation table should have the PackageID and the TagNumber as the primary keys, and the Computer table should have the TagNumber set as the primary key.
8. The dependencies for Packages is PackagName, the dependencies for Installation is Install Date and SoftwareCost, the dependencies for Computers is the ComputerModel.

9. The new tables are in third normal form because all the rows are atomic, there is no partial dependency on any columns, and each non key attribute is dependent on a primary key.



10.