

Part One

1. The table looks great as an overview of all your data, but there are a few things that we can do to greatly improve it, and add more structure to it.
- 2.

PackageID	TagNumber	InstallDate	SoftwareCostUSD
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. PackageID and TagNumber together form the primary key

Part Two

- 1.

PackageID	TagNumber	InstallDate	SoftwareCostUSD	SoftwarePackageName	ComputerModel
AC01	32808	09-13-2005	754.95	Portal	Dell
DB32	32808	12-03-2005	380.00	Zork	Dell
DB32	37691	06-15-2005	380.00	Zork	Asus
DB33	57772	05-27-2005	412.77	Halo	Apple
WP08	32808	01-12-2006	185.00	Mortal Kombat	Dell
WP08	37691	06-15-2005	227.50	Mortal Kombat	Asus
WP08	57222	05-27-2005	170.24	Mortal Kombat	HP
WP09	59836	10-30-2005	35.00	Super Smash Bros	Lenovo
WP09	77740	05-27-2005	35.00	Super Smash Bros	Alienware

2. PackageID → SoftwarePackageName
TagNumber → ComputerModel
PackageID, TagNumber → InstallDate
PackageID, TagNumber, InstallDate → SoftwareCostUSD
3. It's not in NF3 because it's not dependent on the whole key, and nothing but the key, Software Cost relies on the 2 keys and InstallDate

Part Three

1. PackageID, TagNumber
2. PackageID → SoftwarePackageName

TagNumber \rightarrow ComputerModel

PackageID, TagNumber \rightarrow InstallDate

PackageID, TagNumber, InstallDate \rightarrow SoftwareCostUSD

3. The Tables are in third normal form because the tables have no partial dependencies and all of the attributes of any of the tables directly relates to the primary key of that table.