Reisha Puranik

Professor Labouseur

Database Management

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Lab 7

Part 1:

1. I would tell him that it has issues because it does not follow the first normal form and has repeating groups.

Pkgld	TagNum	InstallDate	CostUSD
AC01	32808	09-13-2005	754.95
DB32-0	32808	12-03-2005	380.00
DB32-1	37691	06-15-2005	380.00
DB33	57772	05-27-2005	412.77
WP08-0	32808	01-12-2006	185.00
WP08-1	37691	06-15-2005	227.50
WP08-2	57222	05-27-2005	170.24
WP09-0	59836	10-30-2005	35.00
WP09-1	77740	05-27-2005	35.00

3. The primary key is package id.

Part 2:

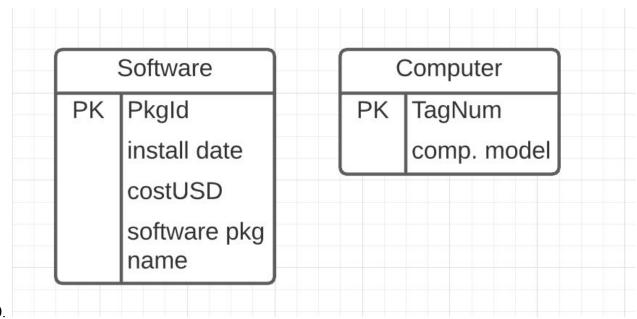
Pkgld	TagNum	InstallDate	CostUSD	Pkg Name	Comp. Model
AC01	32808	09-13-2005	754.95	Zork	Samsung
DB32-0	32808	12-03-2005	380.00	Zork	Samsung
DB32-1	37691	06-15-2005	380.00	Portal	Apple
DB33	57772	05-27-2005	412.77	Microsoft Office	Microsoft
WP08-0	32808	01-12-2006	185.00	Zork	Samsung
WP08-1	37691	06-15-2005	227.50	Portal	Apple
WP08-2	57222	05-27-2005	170.24	Google Chrome	IBM
WP09-0	59836	10-30-2005	35.00	Adobe Reader	HP
WP09-1	77740	05-27-2005	35.00	Adobe Acrobat	Asus

- The install date, cost, and software package name are all dependent on the package id.
 The computer model is dependent on the tag number.
- 6. This table does not follow the third normal form because if the computer model were to change the tag number would need to be changed.

Part 3:

4.

- 7. The primary keys for the table are package id and tag number.
- The install date, cost, and software package name are all dependent on the package id.
 The computer model is dependent on the tag number.
- 9. The tables are in third normal form because all the fields are related to the primary key and it follows the rules for first and second normal form.



10.