Daniel Njoku

1. When asked for my opinion I would explain to Mr. Johnson that he has the some of rudimentary concepts down, however, he is missing a few key elements. The correct table is shown below.

2.

ID	PackageID	TagNumber	InstallDate	SoftwareCostUSD
1	AC01	32808	9/13/05	754.95
2	DB32	32808	12/3/05	380
3	DB32	37691	6/25/05	380
4	DB33	57772	5/27/05	412.77
5	WP08	32808	1/12/06	185
6	WP08	37691	6/15/05	227.5
7	WP08	57222	5/27/05	170.24
8	WP09	59836	10/30/05	35
9	WP09	77740	5/27/05	35

3. The primary key is be the column labeled ID. The primary keys for the other table are foreign keys for this table; TagNumber & PackageID.

	PackageID	TagNumber	InstallDate	SoftwareCostUSD	ComputerModel	SoftwarePacka
1	AC01	32808	9/13/05	754.95	Apple	Zork
2	DB32	32808	12/3/05	380	Apple	Portal
3	DB32	37691	6/25/05	380	HP	Portal
4	DB33	57772	5/27/05	412.77	Lenovo	Minx
5	WP08	32808	1/12/06	185	Apple	Trunks
6	WP08	37691	6/15/05	227.5	HP	Trunks
7	WP08	57222	5/27/05	170.24	Lenovo	Trunks
8	WP09	59836	10/30/05	35	Acer	COD
9	WP09	77740	5/27/05	35	Dell	COD

5. Tag Number -> Computer Model
    Package ID -> Software Package
    Software Package & Computer Model -> Installation Date
    Software Package & Computer Model -> Software Cost

6. Third normal form must meet first and second normal form. Also, any fields that aren't dependent on the primary key must be deleted from the table. In this case it will be the computer model and software packages. The software packages and computer models are the primary keys for both installation dates and software costs

7. Two new tables are created. The will be named packages and computers. The primary key for the packages table will be the package id and the primary key for the computers table will be the tag number.

8. The functional dependencies between the tables will be the same as the functional dependencies from question 5.

9. The new tables are in third normal form because they meet the necessary requirements for first and second normal form. Also, all the tables contain a unique primary key.

10.