

CTEC323 Lecture 9

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Exercise: Normalization

INV_NUM	211347	211347	211347	211348	211349
PROD_NUM	AA-E3422QW	QD-300932X	RU-995748G	AA-E3422QW	GH-778345P
SALE_DATE	15-Jan-2006	15-Jan-2006	15-Jan-2006	15-Jan-2006	16-Jan-2006
PROD_LABEL	Rotary sander	0.25-in. drill bit	Band saw	Rotary sander	Power drill
VEND_CODE	211	211	309	211	157
VEND_NAME	NeverFail, Inc.	NeverFail, Inc.	BeGood, Inc.	NeverFail, Inc.	ToughGo, Inc.
QUANT_SOLD	1	8	1	2	1
PROD_PRICE	\$49.95	\$3.45	\$39.99	\$49.95	\$87.75

Exercise: Normalization...

- ▶ For the table on the previous slide
 - ▶ Identify the PK
 - ▶ Write the relational schema
 - ▶ Identify the partial dependencies
 - ▶ Identify the transitive dependencies
 - ▶ Remove all partial dependencies and write the new relational schema
 - ▶ Remove all transitive dependencies and write the new relational schema