Ryan Smith

2/22/2017

CIS 310-01

Assignment 6

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| **INV\_NUM** | **PROD\_NUM** | **SALE\_DATE** | **PROD\_LABEL** | **VEND\_CODE** | **VEND\_NAME** | **QUANT\_SOLD** | **PROD\_PRICE** |

Transitive (VEND\_CODE to VEND\_NAME

Partial

Partial

2. The table is already in 1NF because all rows are unique and the primary key is defined.

3. The result is not in 2NF because of partial dependencies. What to do: Remove partial dependencies and form new tables.

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| PROD\_NUM | PROD\_LABEL | PROD\_PRICE | VEND\_CODE | VEND\_NAME |

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| INV\_NUM | PROD\_NUM | SALE\_DATE | QUANT\_SOLD |

4. The result is not in 3NF because of a transitive dependency. What to do: Remove transitive dependency.

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| VEND\_CODE | VEND\_NAME |

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| PROD\_NUM | PROD\_LABEL | PROD\_PRICE | VEND\_CODE |

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| INV\_NUM | PROD\_NUM | SALE\_DATE | QUANT\_SOLD |