

Class Exercise – 6.3

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Clemson/Assignment ID: Normal3

Submission: Save this Word document with your answers as a PDF file and upload the PDF file to Canvas.

Normalization

To keep track of office furniture, computers, printers, and so on, the FOUNDIT company uses the table structure shown below:

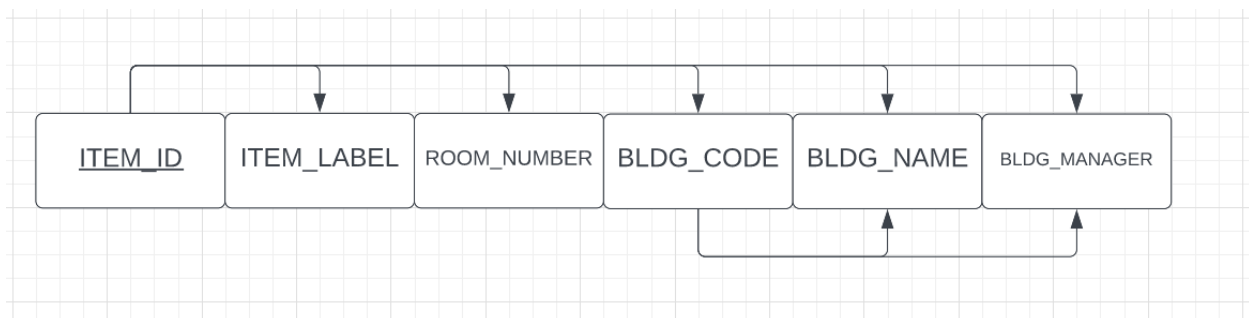
ITEM Table

Attribute Name	Sample Value	Sample Value	Sample Value
ITEM_ID	231134-678	342245-225	254668-449
ITEM_LABEL	HP DeskJet 895Cse	HP Toner	DT Scanner
ROOM_NUMBER	325	325	123
BLDG_CODE	NTC	NTC	CSF
BLDG_NAME	Nottooclear	Nottooclear	Canseefar
BLDG_MANAGER	I. B. Rightonit	I. B. Rightonit	May B. Next

Using the ITEM table structure shown, answer the following questions:

1. Write the relational schema. You can assume that the table does not contain repeating groups.

Schema: (ITEM_ID, ITEM_LABEL, ROOM_NUMBER, BLDG_CODE, BLDG_NAME, BLDG_MANAGER)



2. Identify any partial dependencies and generate the 2NF tables/schemas.

No partial dependencies.

3. Identify any transitive dependencies and generate the 3NF tables/schemas.