

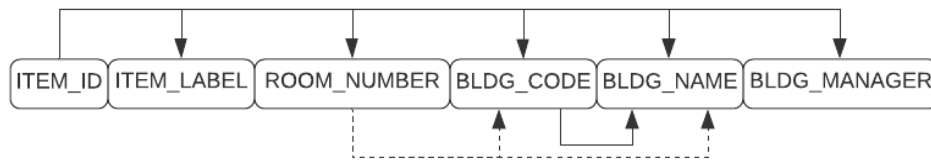
## HW3 – DUC VO

6.5. To keep track of office furniture, computers, printers, and other office equipment, the FOUNDIT Company uses the table structure shown in Table P6.5.

- a. Given that information, write the relational schema and draw the dependency diagram. Make sure that you label the transitive and/or partial dependencies.

Relational schema:

ITEM(ITEM\_ID, ITEM\_LABEL, ROOM\_NUMBER, BLDG\_CODE, BLDG\_NAME, BLDG\_MANAGER)



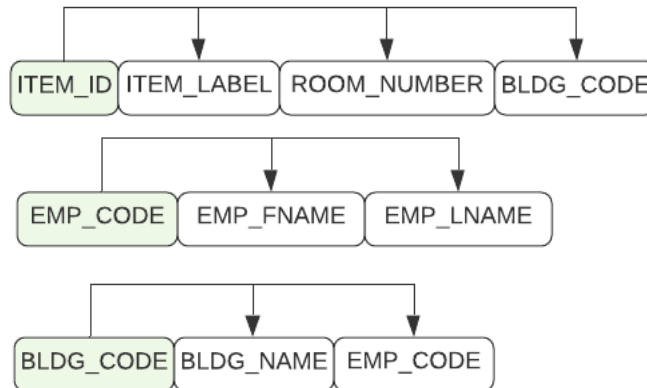
- b. Write the relational schema and create a set of dependency diagrams that meet 3NF requirements. Rename attributes to meet the naming conventions and create new entities and attributes as necessary.

Relational schemas:

**ITEM**(ITEM\_ID, ITEM\_LABEL, ROOM\_NUMBER, BLDG\_CODE)

**EMPLOYEE**(EMP\_CODE, EMP\_FNAME, EMP\_LNAME)

**BUILDING**(BLDG\_CODE, BLDG\_NAME, EMP\_CODE)



- c. Draw the Crow's Foot ERD.

