- a) FACTORY is in 1NF since each ID can have one unique FACTORY_NAME and FACTORY_ACCOUNT_NO and each FACTORY_ID can also only have one unique BANK_NAME and BANK_CODE_NO
- b) {ID} → {FACTORY_NAME, FACTORY_ACCOUNT_NO}
 {BANK_CODE_NO} → {BANK_NAME}
 {FACTORY ACCOUNT NO} → {BANK NAME, BANK CODE NO}
- c) There is no subset to the candidate key since {ID} is the only attribute, so the relation is in 2NF.
- d) There is a transitive functional dependency on {ID} → {BANK_NAME, BANK_CODE_NO}, so the relation is not in 3NF. First, create a new relation with all the attributes except for those that are transitively dependent.

FACTORY(<u>ID</u>, FACTORY_NAME, FACTORY_ACCOUNT_NO)

Then, create a new relation with the transitively dependent attribute using the original functional dependency as the primary key.

FACTORY2(FACTORY_ACCOUNT_NO, BANK_NAME, BANK_CODE_NO)