Quiz

Three types of normalization exists: 1NF, 2NF and 3NF.

Department toble:

Dept (deptid, dept-name, mon_id, man_name, man_salary, locid, locid,

Functionad dependencies:

deptid -> dept_name, man_id, man_name, man_salary, locid,
loceity

man_id -> man_name, man_salary

loe id -> loe city

C.K = 2 dept id3

INF:

In order to be in 1st normal form, the relation must have a so unique key.

Dept (deptid, dept_name, man_id, man_name, man_salany,
loe-id, loe-eity).

2NF°

The relation is also in 2NF because there is no partial dependency, that is, all non-prime attributes are functione can be determined by the all attributes of candidate key.

3NF°

the schema has transitive dependency, that is, some non-prime attribute is functionally dependent on some another non-prime attribute.

In order to get 3NF form, we meed to decompose.

Dept (dept_id, dept_name, man_id, loe id)

Man (man_id; man_name, man_salary)

Loe (loe_id, loe_city)