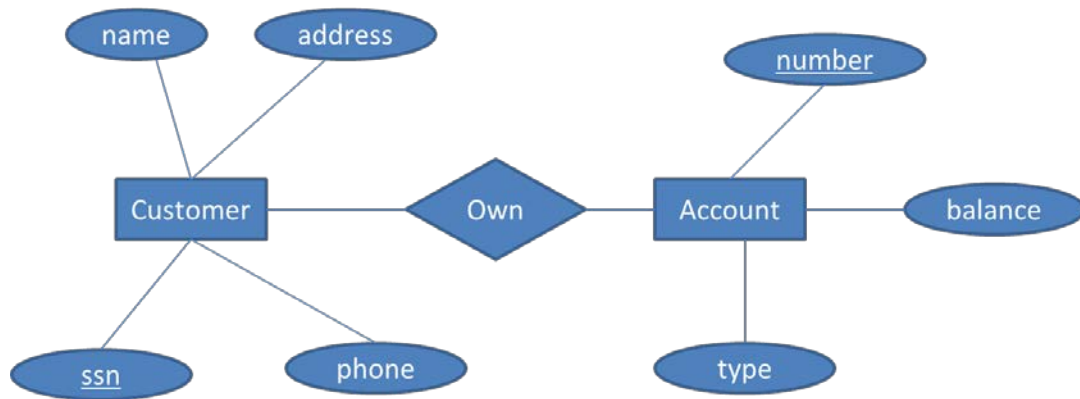


1. E/R diagram:



2. (E/R to relational)

a. E/R approach:

Depts(name, chair)

Courses(dept_name, number, room)

LabCourses(dept_name, number, computer_allocation)

b. OO approach

Depts(name, chair)

Courses(dept_name, number, room)

LabCourses(dept_name, number, room, computer_allocation)

Note: the attribute room in LabCourses

c. Null approach

Courses(dept_name, course_number, room, computer_allocation)

Depts(name, chair)