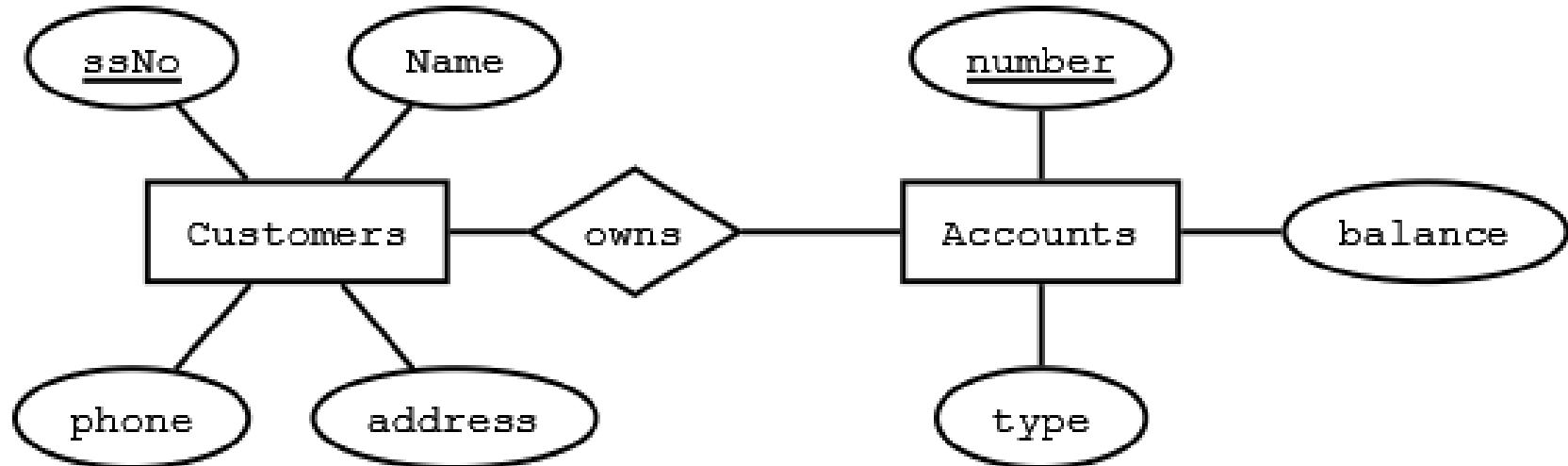


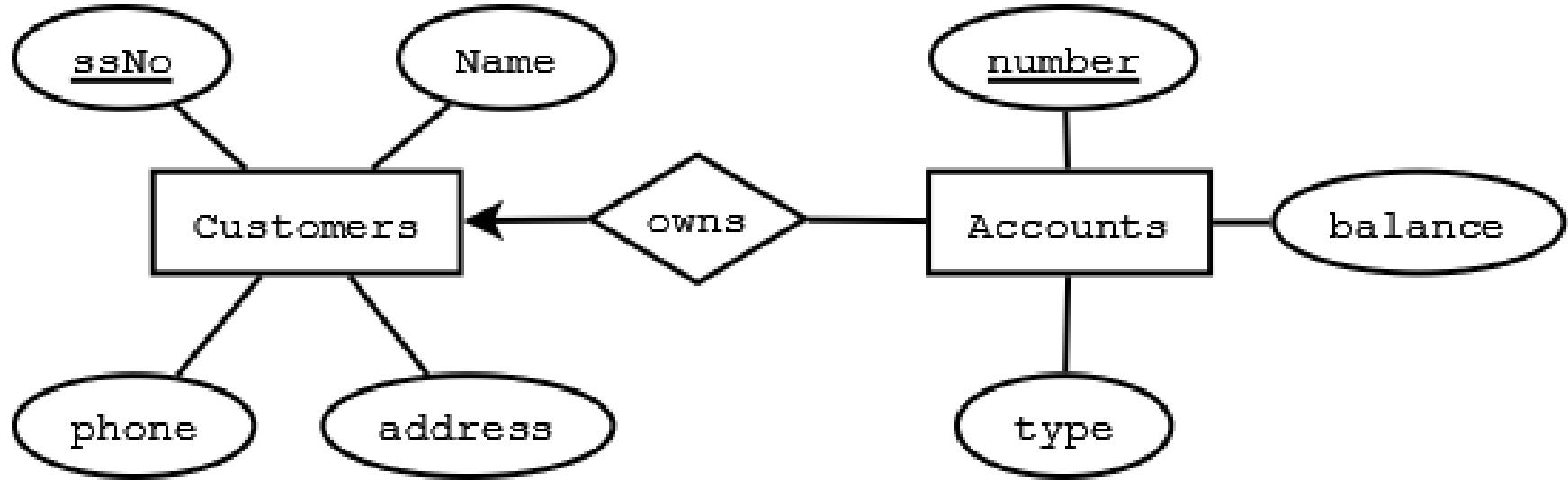
# E/R Diagrams Examples

# Exercise 4.1.1



- Customers (ssNo, name, phone, address)
- Accounts (number, type, balance)
- Owns (ssNo, acctNo)

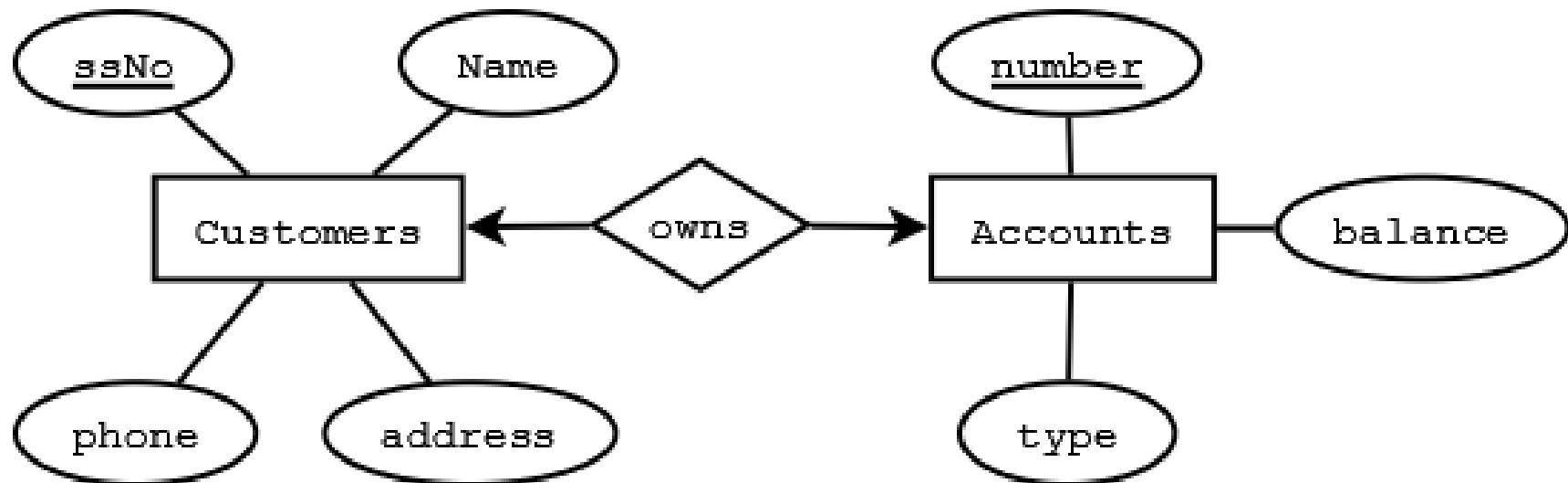
# Exercise 4.1.2 a



- Accounts (**number**, type, balance, **ssNo**)
- Customers (**ssNo**, name, phone, address)

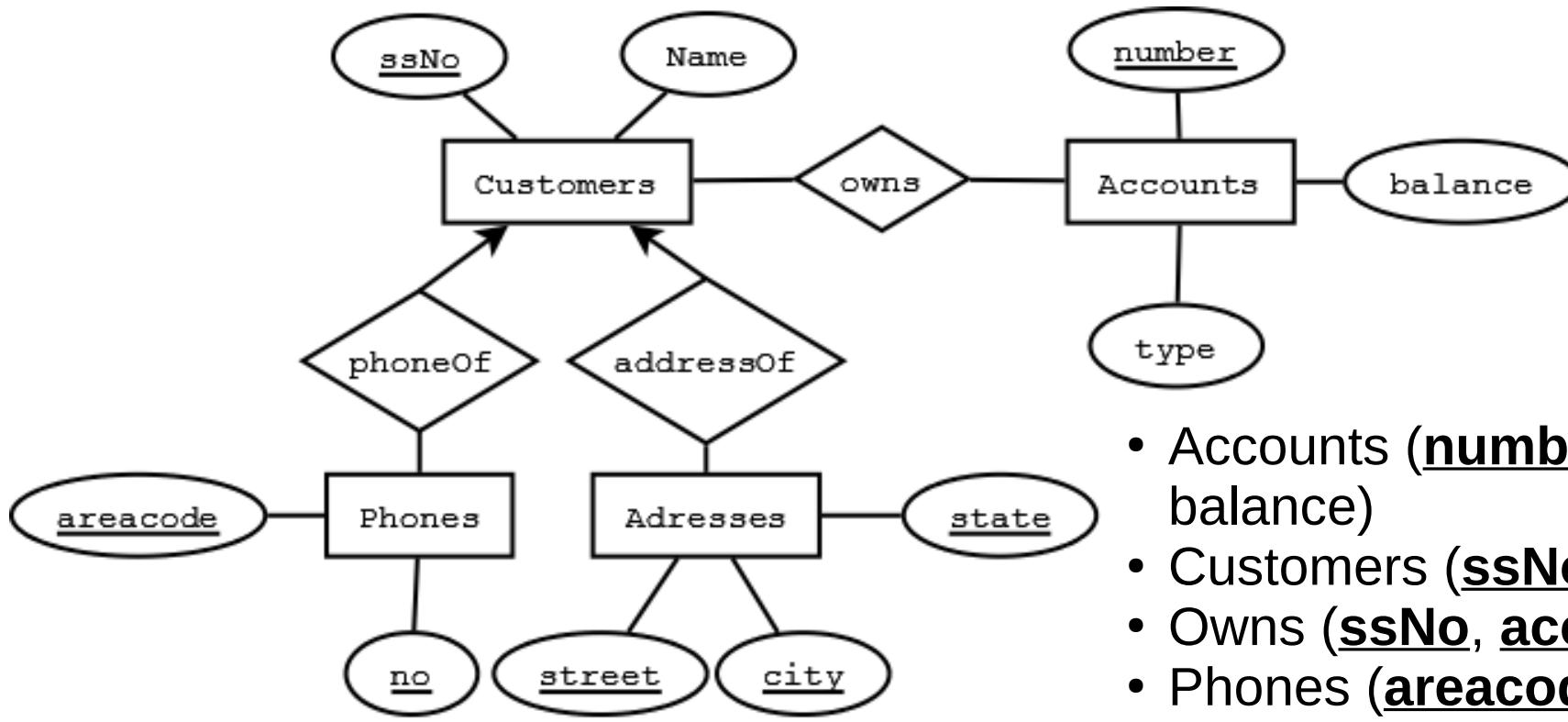
# Exercise 4.1.2 b

- Accounts (number, type, balance, **ssNo**)



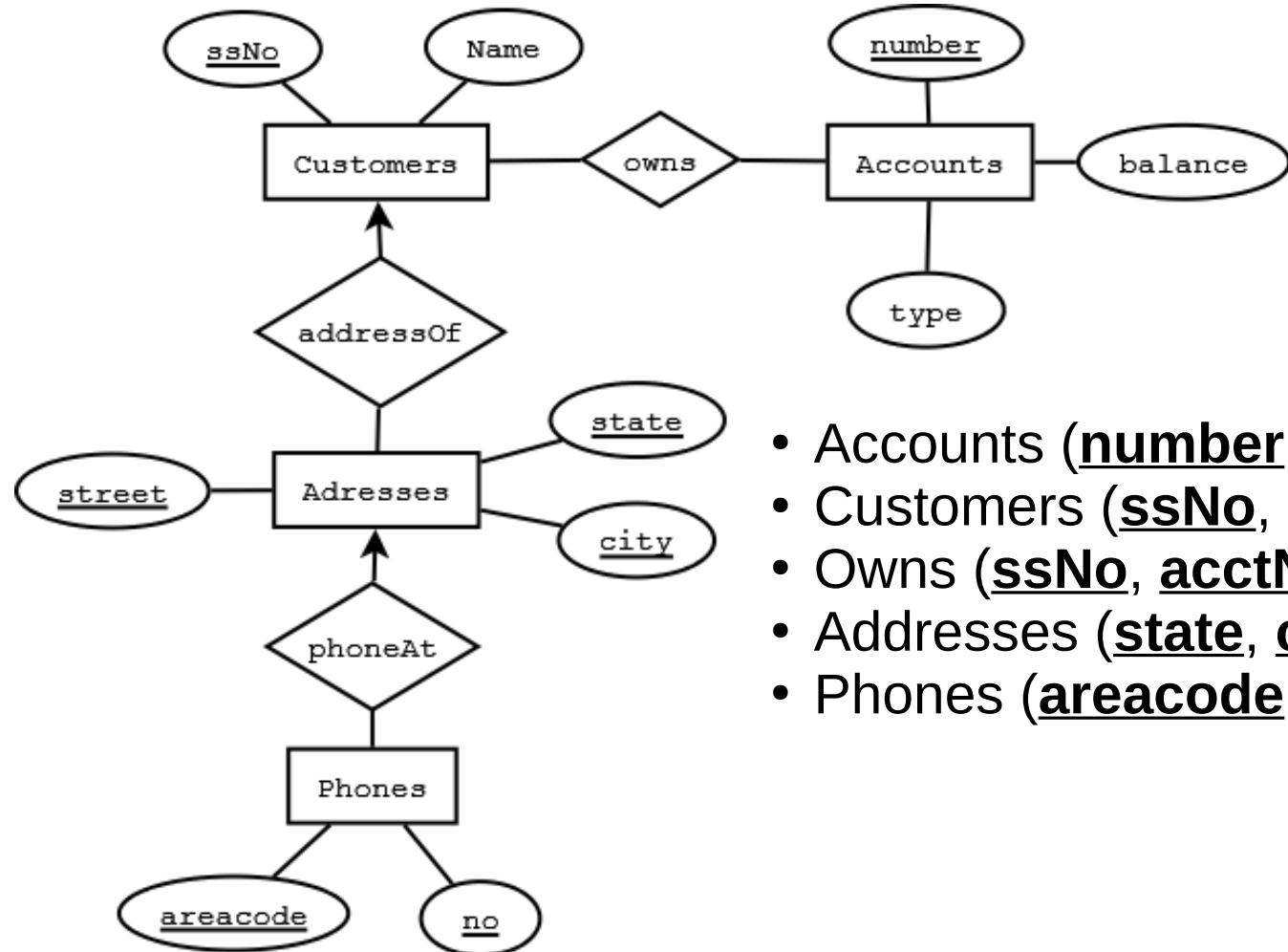
- Customers (ssNo, name, phone, address, **acctNumber**)

# Exercise 4.1.2 c



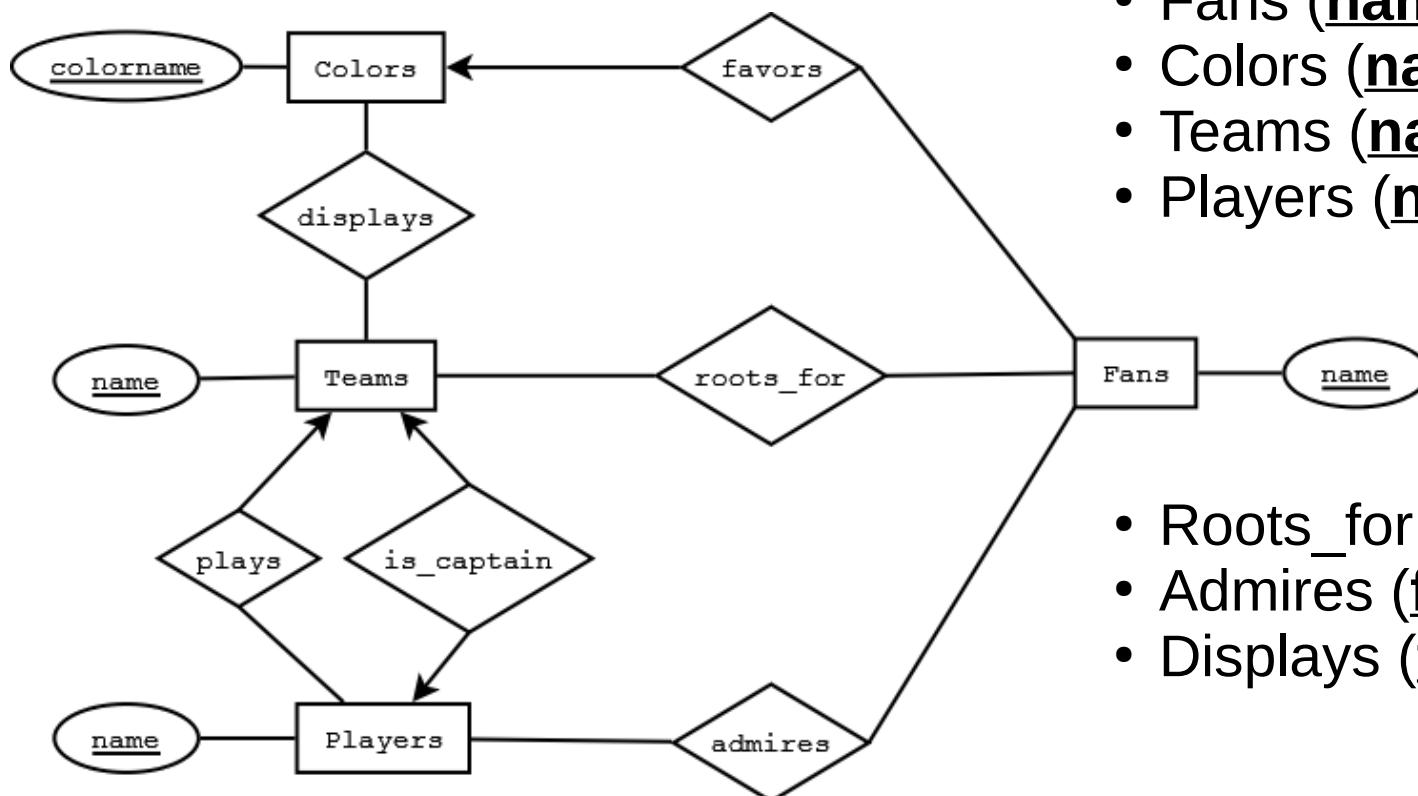
- Accounts (number, type, balance)
- Customers (ssNo, name)
- Owns (ssNo, acctNo)
- Phones (areacode, no, **ssNo**)
- Addresses (state, city, street, **ssNo**)

# Exercise 4.1.2 d



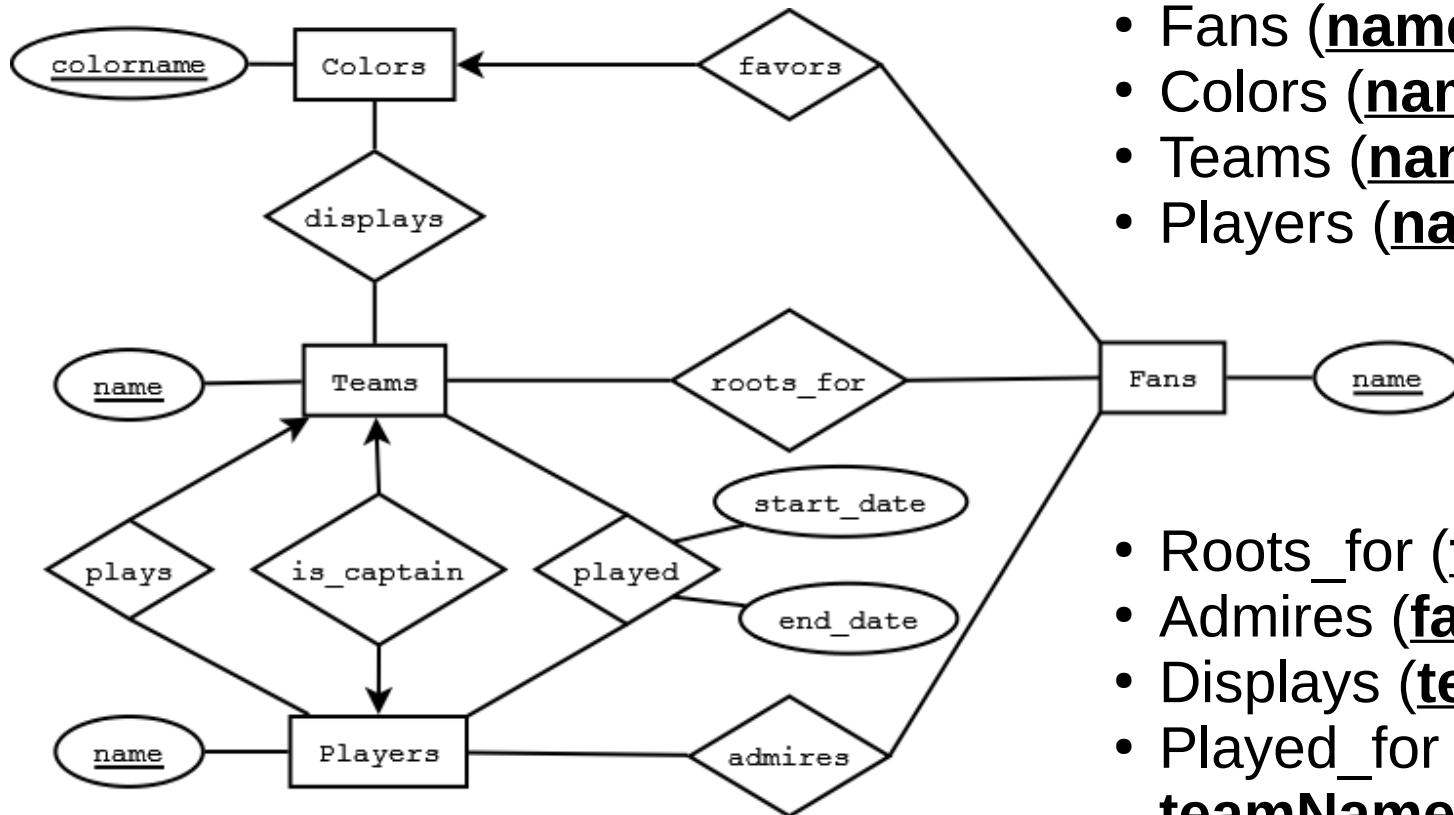
- Accounts (**number**, type, balance)
- Customers (**ssNo**, name)
- Owns (**ssNo**, **acctNo**)
- Addresses (state, city, street, **ssNo**)
- Phones (areacode, no, **state**, **city**, **street**)

# Exercise 4.1.3



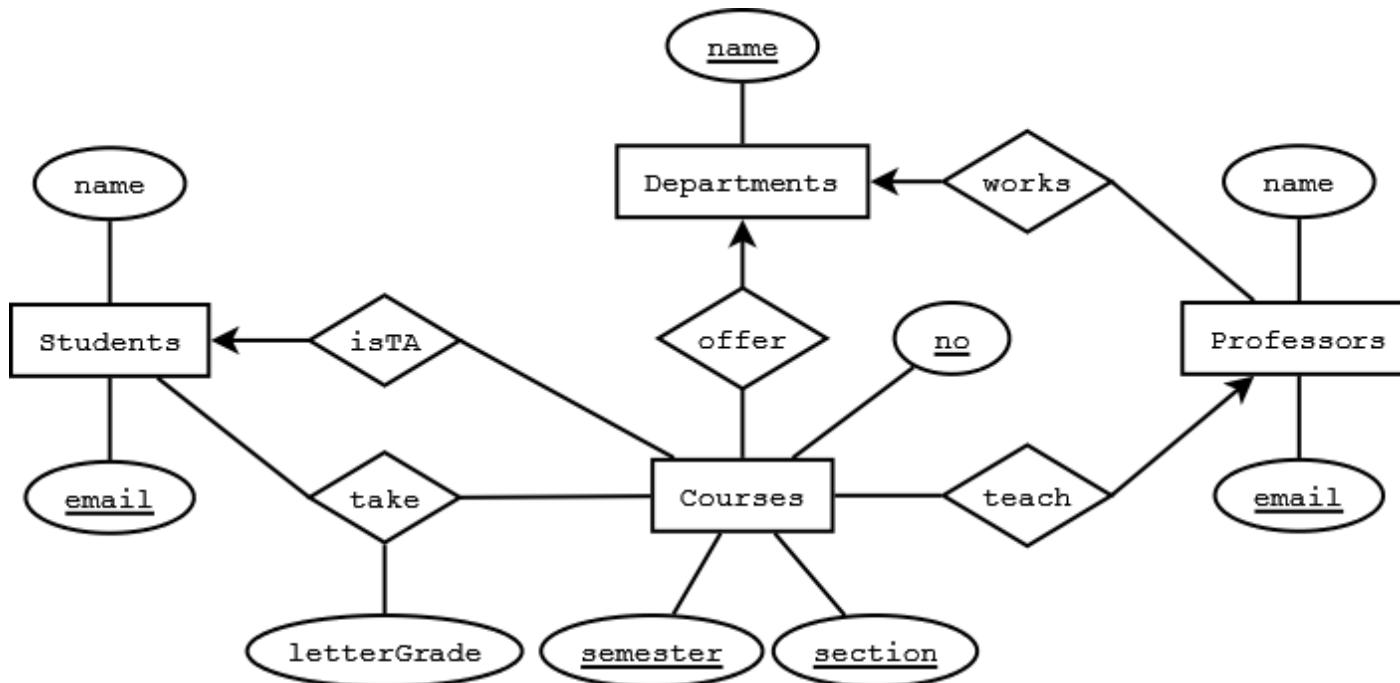
- Fans (**name**, **favoriteColor**)
  - Colors (**name**)
  - Teams (**name**, **captainPName**)
  - Players (**name**, **teamName**)
- 
- Roots\_for (**fanName**, **teamName**)
  - Admires (**fanName**, **playerName**)
  - Displays (**teamName**, **colorName**)

# Exercise 4.1.5



- Fans (name, **favoriteColor**)
- Colors (name)
- Teams (name, **captainPName**)
- Players (name, **teamName**)
- Roots\_for (fanName, **teamName**)
- Admires (fanName, **playerName**)
- Displays (**teamName**, **colorName**)
- Played\_for (**playerName**, **teamName**, **start\_date**, **end\_date**)

# Exercise 4.1.9



- Students (email, name)
- Courses (no, semester, section, **TAemail**, **deptName**, **profEmail**)
- Departments (name)
- Professors (email, name, **deptName**)
- Take (studentEmail, cNo, cSemester, cSection, letterGrade)