Different ways of representing a relational database

1) The MS-Access method

Faculty
- facId
- name
- department
- rank

Class
- classNumber
- facId
- schedule
- room

Enroll
- stuId
- classNumber
- grade

Student
- stuId
- lastName
- firstName
- major
- credits

2) Standard with arrows from FK to PK

- Faculty(facId, name, department, rank)
- Class(classNumber, facId, schedule, room)
- Enroll(stuId, classNumber, grade)
- Student(stuId, lastName, firstName, major, credits)

3) Standard with text describing FK's

Faculty(facId, name, department, rank)

Class(classNumber, facId, schedule, room)

facId is FK referencing facId in Faculty

Enroll(stuId, classNumber, grade)

stuId is FK referencing stuId in Student
classNumber is FK referencing classNumber in Class

Student(stuId, lastName, firstName, major, credits)

4) Another way (add either arrows or text to show the FK's)

Faculty
| facId | name | department | rank |

Class
| classNumber | facId | schedule | room |

Enroll
| stuId | classNumber | grade |

Student
| stuId | firstName | lastName | major | credits |