1. Initial phase --characterize fully the data needs of the prospective database users.

Second phase --choosing a data model•Applying the concepts of the chosen data model•Translating these requirements into a conceptual schema of the database.•A fully developed conceptual schema indicates the functional requirements of the enterprise. ▪Describe the kinds of operations (or transactions) that will be performed on the data.

Final Phase --Moving from an abstract data model to the implementation of the database•Logical Design –Deciding on the database schema. ▪Database design requires that we find a “good” collection of relation schemas.▪Business decision –What attributes should we record in the database?▪Computer Science decision –What relation schemas should we have and how should the attributes be distributed among the various relation schemas?•Physical Design –Deciding on the physical layout of the database

1. A)Student

Age

Name

First\_Name

Second\_Name

Average\_GPA

Hobbies[0..\*]

B)University

Name

Address

Country

City

Course

Id

Name

Teacher.id[0..\*]

Dormitory

Address

Slots

Price

Singleroom

Doubleroom

Triplerool

Quaripleroom

University\_Name

Teacher

Id

Name

First\_Name

Second\_Name

Age

Birthdate

University\_Name

Office of registrar

Number

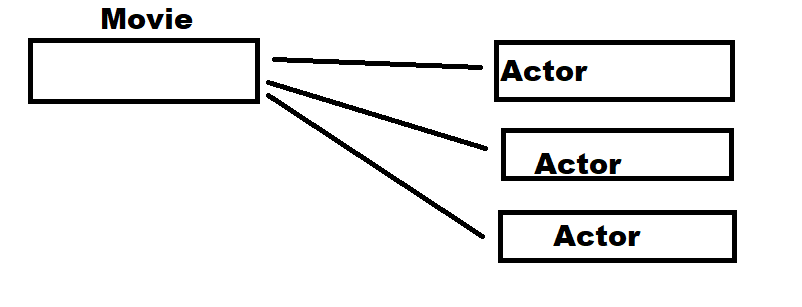
Worker[0..\*]

Average\_time\_of\_accepting\_call

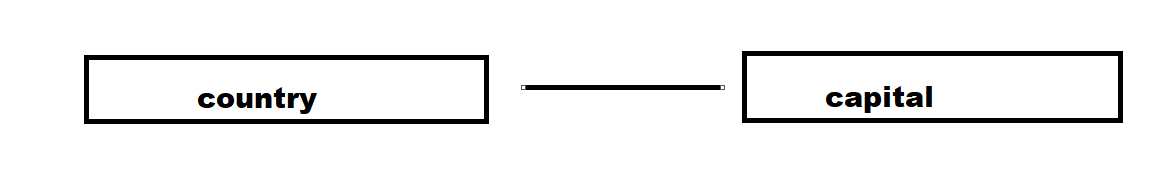
University\_Name

3)

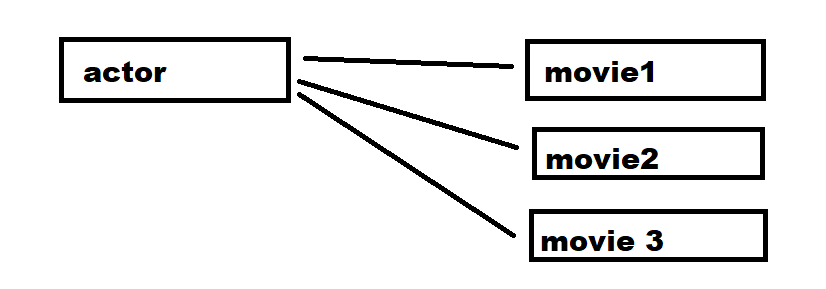
One to many



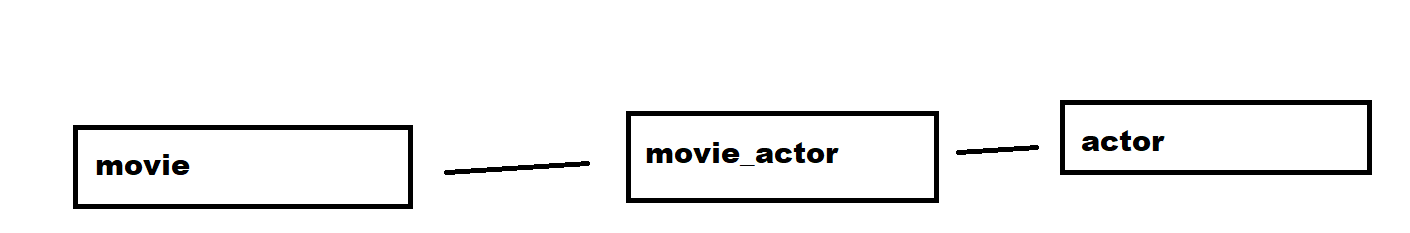
One to one

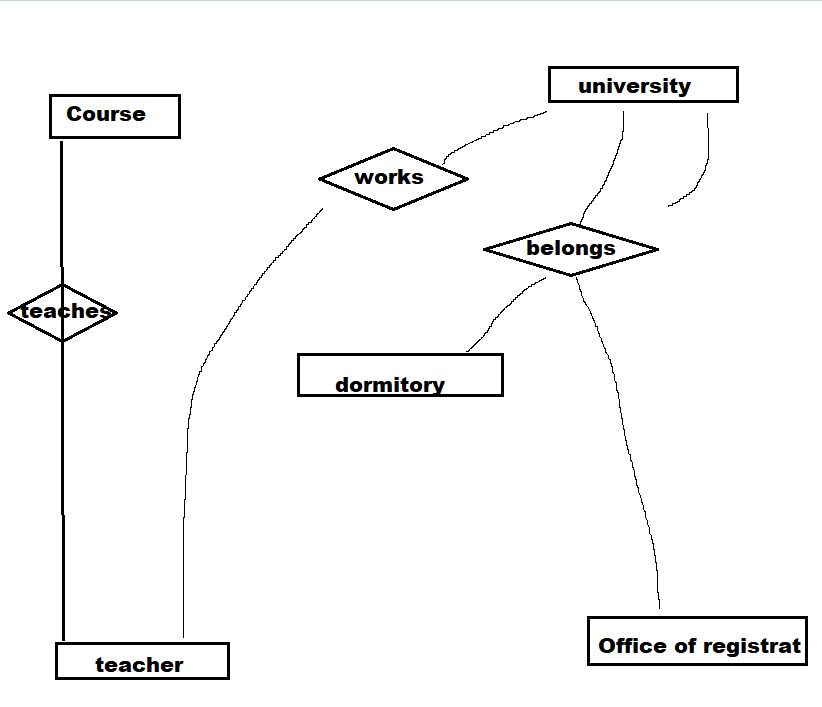


Many to one



Many to many



4)

5)

Изображение выглядит как текст, доска

Автоматически созданное описание