Laboratory work 7

1 a. What is the main phases in the database

design? What is done on each development phase?

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

- 2) Second phase-choosing a data model.
- 3) Final phase Noving from an abstract data model to the implementation of the database.

16. What is the entity-relationship (ER) data model?

Entity-relationship data model is a high-level conceptual data model diagram. ER helps to systematically analyse data requirements to produce a well-designed database.

ER is hased on two concepts:

nentities (data)

2. relationships.

student

ID
name
address
street
house
sphonenums

26

university

students

Course

name proffesors credits Dormitory

address place-num cost Teacher

TO name first

lost

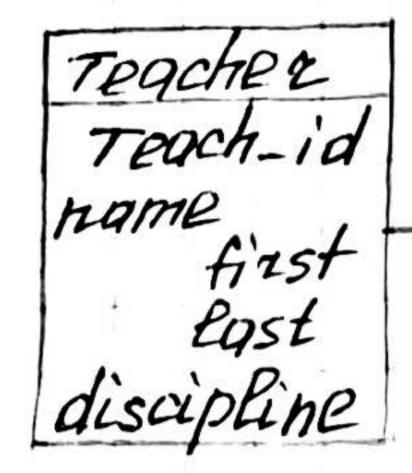
salary

OR

Ephone?

Emails

1) One to one



odvisor

Student stud-id name faculty

2) One to marry

-	-	en	
1		mE	-id

advisor

orders

client-id

order_id

prod-name

3) Mary to many

my.	sicia
	-id
	me

advisor

song-id name

4. Create ER data model with relations using from 2-nd task. University Teacher name teachin students last salary faculties Dormitory Course address name proce_ rum proffesors credits cost OR name sphones semail?