

Database design steps Cont.....

Physical design

- Decide on the number of tables to create for your database
- Number of tables is determined by the number of entities and types of relationships that exist among them
- Entities names should be translated into table names

Database design steps Cont.....

- Having decided on the number and name of tables, list all the possible attributes or fields (columns) of each table
- Determine also the data type for each field or column

Database design steps Cont.....

Tables in physical design stage

Publisher ID	INT (4)
Name	VACHAR (40)
City	VARCHAR (20)
Physical address	VARCHAR (50)
Phone no.	CHAR (13)
E-mail	VRACHAR (50)

Database design steps Cont.....

Feature	Conceptual	Logical	Physical
Entity Names	✓	✓	
Entity Relationships	✓	✓	
Attributes		✓	
Primary Keys		✓	✓
Foreign Keys		✓	✓
Table Names			✓
Column Names			✓
Column Data Types			✓

End of Lesson