

Lecture 6:-

ER - Diagrams (facebook)

ER - Diagram for Facebook

-> Assuming Entities (step1)

- i) User Profile
- ii) Post
- iii) Post_Likes
- iv) Post_comments

-> Assuming Attributes (step2)

- i) User Profile -> userID, name (composite), contact(multi), email (multi), password, profile_pic (single), DOB, age(derived)
- ii) User_Post -> PostID, post_date, modify_date, text, videos, images
- iii) Post_like -> likeID, like_date, user_name
- iv) Comment -> text, CommentID, user_name, comment_date

-> Assuming Relationship (step3)

- i) User - friend - user (M : N)
- ii) User -can- User_post (1 : N)
- iii) User_Post -has- likes (1 : N)
- iv) User_Post -has- comments (1 : N)
- v) User -like- Post_like (1 : N)
- vi) User -can- post_comment (1 : N)

ER - Diagram

