1. A. Object & attributes

*Users

 - UserID char

- First name varchar

- Last name varchar

- School varchar

- Address varchar

- Email varchar

- Phone number varchar

- Location varchar

- DOB date

- Gender varchar

*Pages

- PageID varchar

- Pagename varchar

- Pagecontent varchar

*Posts

- PostID varchar

 - UserID varchar

- Post content varchar

- Post date date *Friends

- FriendID varchar

- UserID varchar

*Page likes

- PageID varchar

- UserID varchar

*Post likes

- PostID varchar

- UserID varchar

*Photos

- PhotoID varchar

- PostID varchar

- Image content varchar

*Shares

- PostID varchar

- UserID varchar

*Comments

- Comment id char

- PostID varchar

- UserID varchar

- Commentdate varchar

- Commentcontent varchar

*Comment likes

- CommentID varchar

- UserID varchar

B. Master-Child

- Master : Users

Child : Posts, Friends, Page likes, Post likes, Shares, Comments, Comment likes

- Master : PageID

Child : Page likes

- Master : Friends

- Master : Posts

 Child : Post likes, Photos, Shares, Comments

- Master : Photos

- Master : Comments Child : Comment likes

- Child : Comment Likes

Friends

PK	FriendId:VARCHAR[100]
FK	UserId:VARCHAR[100]

Post Likes

PK	PostID: VARCHAR [100]
FK	UserID: VARCHAR [100]

Photos

PK	PhotoId:VARCHAR [100]
FK	PostId:VARCHAR [100]
FK	UserId:VARCHAR [100]
	ImageContent: VARCHAR [255]

Users

PK	UserID : VARCHAR [100]
	FirstName: VARCHAR[25]
	LastName: VARCHAR [25]
	School: VARCHAR [255]
	Address: VARCHAR [255]
	Email: VARCHAR [255]
	PhoneNumber: VARCHAR [20]
	Location: VARCHAR [255]
	Date of Birth: CHAR [10]
	Gender : VARCHAR [25]

Posts

PK	PostId: VARCHAR [100]
FK	UserId: VARCHAR [100]
	PostDate: CHAR[10]
	PostContent: VARCHAR [255]

Shares

PK	PostId: VARCHAR [100]
FK	UserId: VARCHAR [100]

Comments

PK	CommentID: VARCHAR [100]
FK	UserId: VARCHAR [100]
FK	PostId: VARCHAR [100]
	CommentDate: CHAR [10]
	CommentContent: VARCHAR [255]

Comments Likes

PK	CommentId: VARCHAR [100]
FK	UserId: VARCHAR [100]

Page Likes

PK	PageId : VARCHAR [100]
FK	UserId: VARCHAR [100]

Pages

PK	PageId: CHAR [100]
	PageName: VARCHAR[25]
	PageContent: VARCHAR[25]