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1.

A. Object & attribute

***Users**

- User ID char
- First name varchar
- Last name varchar
- School varchar
- Address varchar
- Email varchar
- Phone number varchar
- Location varchar
- DOB date
- Gender varchar

***Posts**

- Post ID char
- User ID char
- Post content varchar
- Post date date

***Post Likes**

- Post ID char
- User ID char

***Friends**

- Friend ID char
- User ID char

***Pages**

- PageID char
- Page Name varchar
- Page Content varchar

***page Likes**

- Page ID char
- User ID char

***Photos**

- Photo ID char
- Post ID char
- Image Content varchar

***Shares**

- Post ID char
- User ID char

***Comment**

- Comment ID char
- Comment date date
- post ID char
- user ID char
- Comment Content varchar

***Comment likes**

- Comment ID char
- User ID char

B. master & child

- Master : Users

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

- Master : Pages

Child : Page likes

- Master : Friends

- Master : Posts

Child : Post likes, Photos, Shares, Comments

- Master : Photos

- Master : Comments

Child : Comment likes

C.

- All Chars with ID : Char (5) ID biasanya memiliki Panjang string yang sama dan tidak pernah berubah
- All varchar with Content (First name, Last name, address, location, email, etc) : karena string yang menggunakan varchar biasanya memiliki panjang yang variative dan berbeda beda
- Date(DOB, Post date, Comment date) : karena menggunakan format yang sama yaitu tahun, bulan dan tanggal. Dan memiliki Panjang yang sama.

D.

ROLLBACK: menghapus perubahan dan lock table