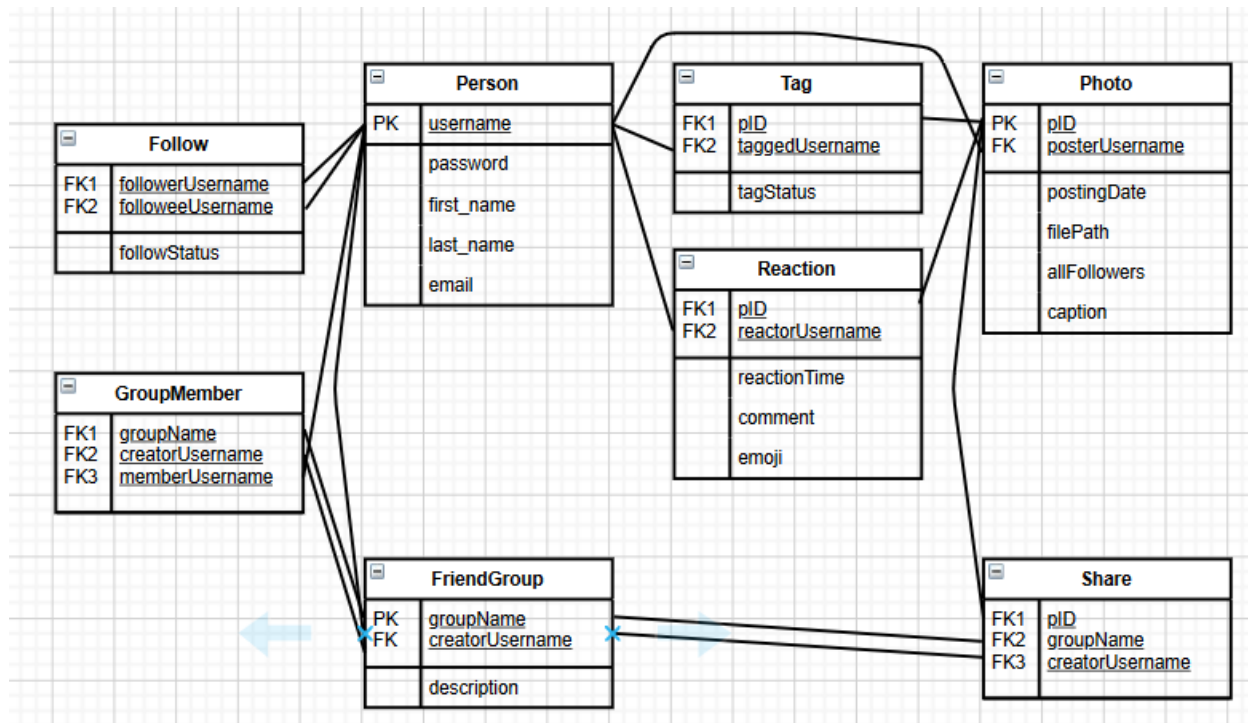A:

B:

create table Person
```
(username      VARCHAR(20),
password       VARCHAR(20),
first_name     VARCHAR(20),
last_name      VARCHAR(20),
email          VARCHAR(20),

primary key(username)
);
```

create table Photo
```
(pID            INT,
posterUsername       VARCHAR(20),
postingDate   DATETIME,
filePath       VARCHAR(20),
allFollowers   BOOLEAN,
caption                VARCHAR(20),

primary key(pID,posterUsername),
```

```
        foreign key(posterUsername)
                references Person(username)
        );

create table FriendGroup
        (groupName  VARCHAR(20),
        creatorUsername    VARCHAR(20),
        description    VARCHAR(20),

        primary key(groupName,creatorUsername),

        foreign key(creatorUsername)
                references Person(username)
        );

create table Follow
        (followerUsername  VARCHAR(20),
        followeeUsername  VARCHAR(20),
        followStatus           BOOLEAN,

        primary key(followerUsername,followeeUsername),

        foreign key(followerUsername)
                references Person(username),

        foreign key(followeeUsername)
                references Person(username)
        );

create table Tag
        (pID            INT,
        taggedUsername    VARCHAR(20),
        tagStatus      BOOLEAN,

        primary key(pID,taggedUsername),

        foreign key(pID)
                references Photo(pID),

        foreign key(taggedUsername)
                references Person(username)
        );
```

```sql
create table Reaction
        (pID            INT,
        reactorUsername     VARCHAR(20),
        reactionTime DATETIME,
        comment             VARCHAR(20),
        emoji          VARCHAR(20),

        primary key(pID,reactorUsername),

        foreign key(pID)
                references Photo(pID),

        foreign key(reactorUsername)
                references Person(username)
        );

create table GroupMember
        (groupName           VARCHAR(20),
        creatorUsername             VARCHAR(20),
        memberUsername              VARCHAR(20),

        primary key(groupName,creatorUsername,memberUsername),

        foreign key(groupName,creatorUsername)
                references FriendGroup(groupName,creatorUsername),

        foreign key(memberUsername)
                references Person(username)
        );

create table Share
        (pID            INT,
        groupName   VARCHAR(20),
        creatorUsername     VARCHAR(20),

        primary key(pID,groupName,creatorUsername),

        foreign key(pID)
                references Photo(pID),

        foreign key(groupName,creatorUsername)
                references FriendGroup(groupName,creatorUsername)
        );
```

C:

```sql
SELECT DISTINCT pID
FROM GroupMember NATURAL JOIN FriendGroup NATURAL JOIN Share
WHERE memberUsername='Ann'
```