Part 1

**Question 1.**

* Get each post’s pid and the creator’s uid.

* Get each story’s pid and the creator’s uid.

* Get the liker’s uid and the post creator’s uid.

* Get the viewer’s uid and the story creator’s uid.

* Get all likers and viewers’ uid and the corresponding creators’ uid

* Get the uid of the likers and viewers who have liked or viewed a person they do not follow.

* Get the uid that matches Q1’s requirement.

* Get the description information of the uids in Match.

Then the requested set can be expressed as follow:

**Question 2.**

* Get all the tags with their pids and dates.

* Get tags with same tag names, same dates but different pids.

Then the requested set can be expressed as follow:

**Question 3.**

* Get the uid of all reciprocal users.

* Get the first reciprocal user’s followers.

* Get the second reciprocal user’s followers.

* Get the uncommon followers (only follow user1 or only follow user2).

* Get the names and emails of these uncommon followers.

Then the requested set can be expressed as follow:

**Question 4.**

Cannot be expressed. This is possible by SQL but not the mere use of the operators listed above.

**Question 5.**

Then the requested set can be expressed as follow:

**Question 6.**

Then the request set can be expressed as follow:

**Question 7.**

Cannot be expressed.

**Question 8.**

Then the requested set can be expressed as follow:

Part 2

1.

2.