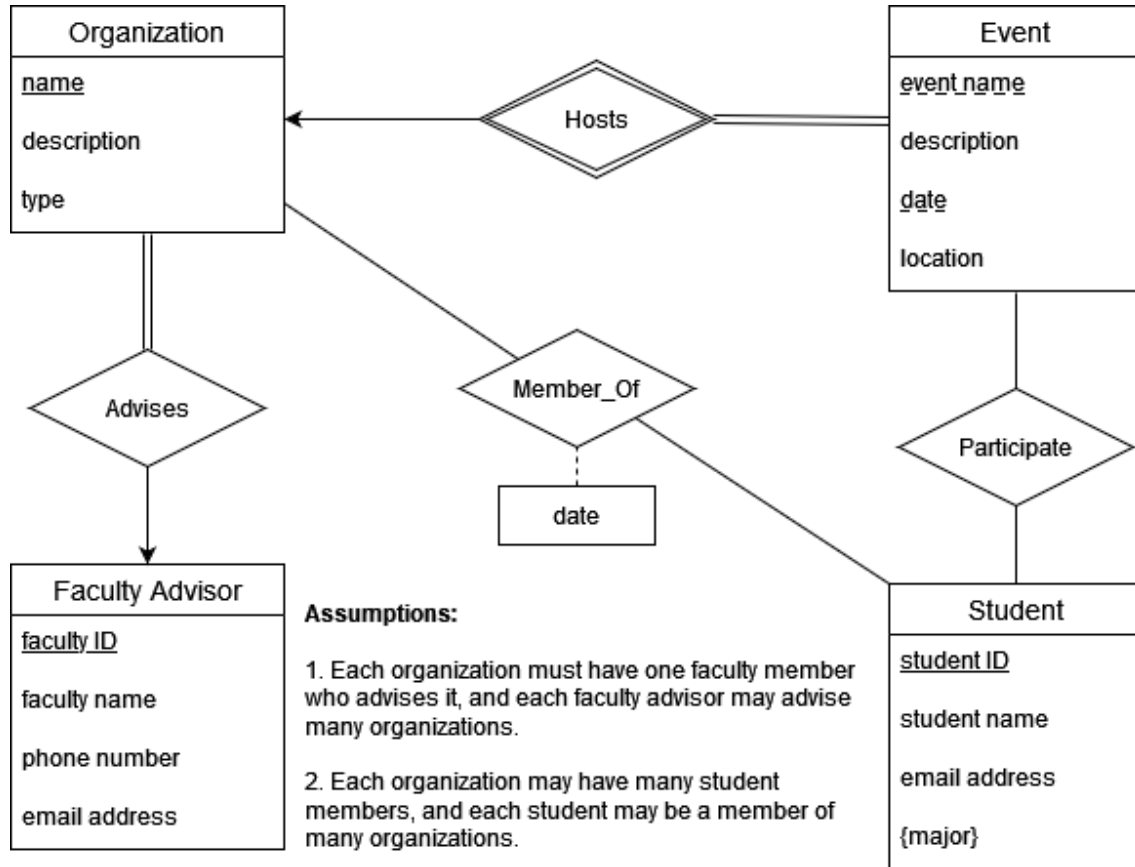**Homework #3: Converting ER Diagram to SQL Statements**

❖ Consider the below ER diagram for a student organizations database. Write SQL statements to create the corresponding relations and capture as many of the constraints as possible. If you cannot capture some constraints, explain why.

Assumptions:

1. Each organization must have one faculty member who advises it, and each faculty advisor may advise many organizations.

2. Each organization may have many student members, and each student may be a member of many organizations.

3. Each organization may host many events, and each event must be hosted by one and only one organization.

4. We are not interested in keeping event information if the host organization is deleted from the database.

5. Each student may participate in many events, and each event may have many student participants.

Submission Instructions

1) Type up your SQL CREATE TABLE statements for the above diagram. It may help to convert the ER diagram to relational schema first before converting it to the SQL CREATE TABLE statements. Submit the homework through the assignment link on Blackboard.

Good Luck!