

# Assignment-2

CS482/502 Database Management Systems I

Spring 2020

Assignment: Relational Algebra + SQL

Assume that you are given the following relational schemas.

- members (memb\_no int(3), name varchar(64))
- books (isbn int(6), title varchar(64), authors varchar(128), publisher varchar(128))
- borrowed (memb\_no int(3), isbn int(6))

Write an SQL Query for each of the following.

- 1.) **Show the names of members who borrowed books with title “Math”.**

name

Angela
Sam

- 2.) **Show the details of members whose name does not start with ‘J’.**

memb\_no      name

1	Angela
2	Sam
3	Kim
4	Wu

- 3.) **Find the number of books borrowed by each member and show them in descending order.**

memb\_no      count

1	1
2	3
3	1
4	1
5	1

4.) **Show the details of members whose name contains 'A'.**

memb\_no    name

1	Angela
2	Sam

5.) **Find the distinct publisher name of the book which has been borrowed by "Sam".**

publisher

McGraw-Hill
pearson