

CS482/502 Database Management Systems 2

Assignment 2: 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 title of the books in which Sam borrowed.

Title
Math
Spanish
English

2.) Show the details of members whose name does not start with “a”.

memb_no	name
2	Sam
3	Kim
4	Wu
5	John

3.) Find the number of books borrowed by “Sam”.

Memb_no	Count(m.memb_no)
2	3

4.) Show the details of members whose name contains “m”.

memb_no	name
2	Sam
3	Kim

5.) Find the distinct publisher name of the book which has been borrowed by “Kim”.

Publisher
Pearson