## CSCI3170 Short Assignment #1

(Deadline: Oct 20 23:59)

Name: Pass / Fail

Student ID:

Consider the following relation schema and SQL statement:

```
Course(<u>course_id</u>, course_name, stream)
Enrollment(<u>course_id</u>, <u>student_id</u>)
```

1. Suppose we have the following relation instance. What is the output of the query?

course_id	course_name	stream
CSCI3170	Database	Α
CSCI1234	Information	Α
CSCI4430	Network	В

course_id	student_id
CSCI3170	1
CSCI1234	1
CSCI3170	2
CSCI4430	2
CSCI3170	3
CSCI4430	3
CSCI1234	3

2.	Use ONE sentence to describe the purpose of the SQL statement.
3.	Rewrite the SQL statement in Relational Algebra (Hint: Use division)