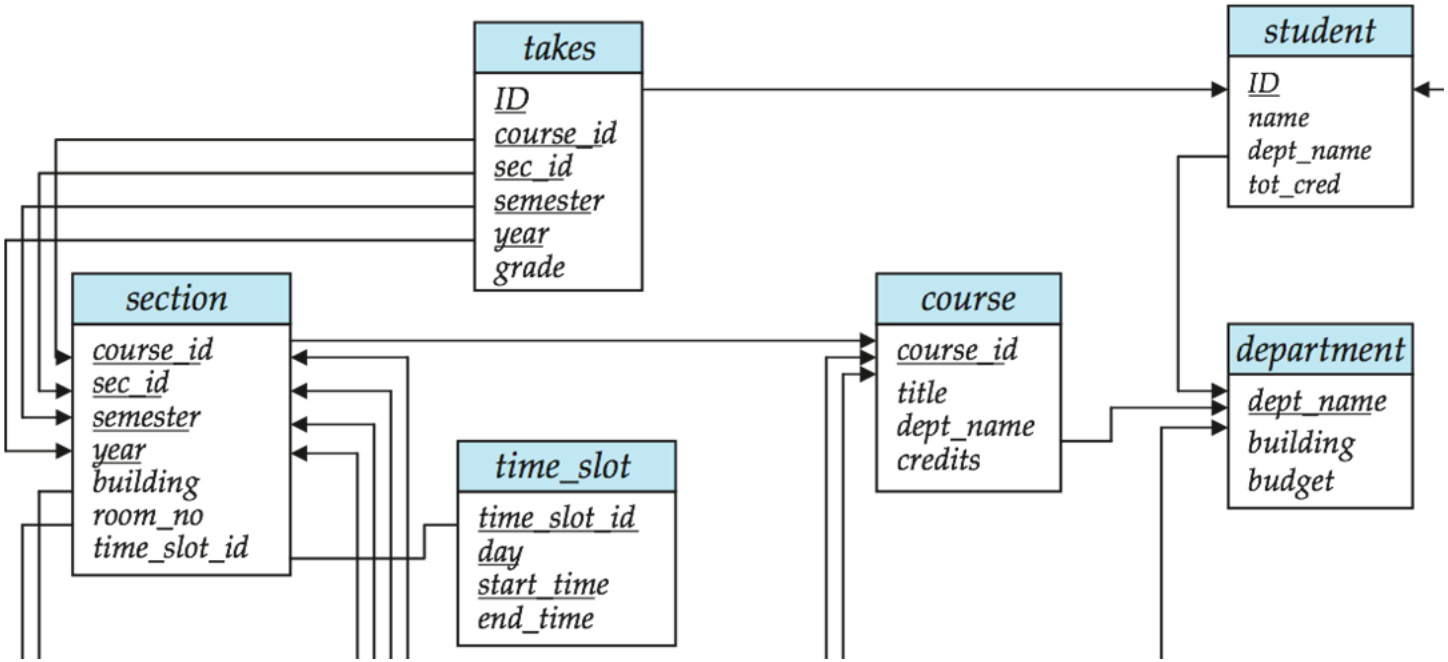
CHAPTER 4
DISCUSSIONS

Discussion 4-1

Write the following query in SQL using the **Join** operator.

A. *Students (ID & name) who took a course in 2014.*

B. *Students (ID & name) who took a course in 2014 held in building '301'.*

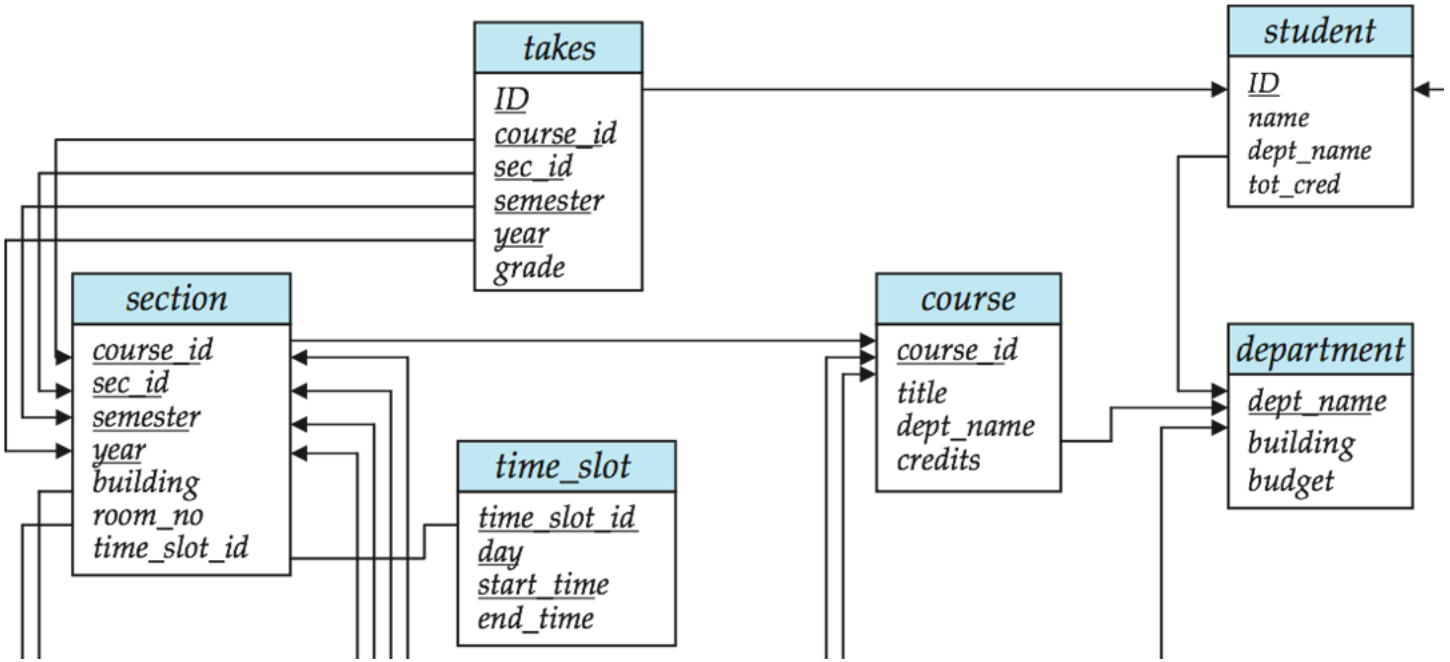


Discussion 4-2

Write the following query in SQL using the **Join** operator.

A. *Students (ID, name) who took courses offered by the 'CS' dept.*

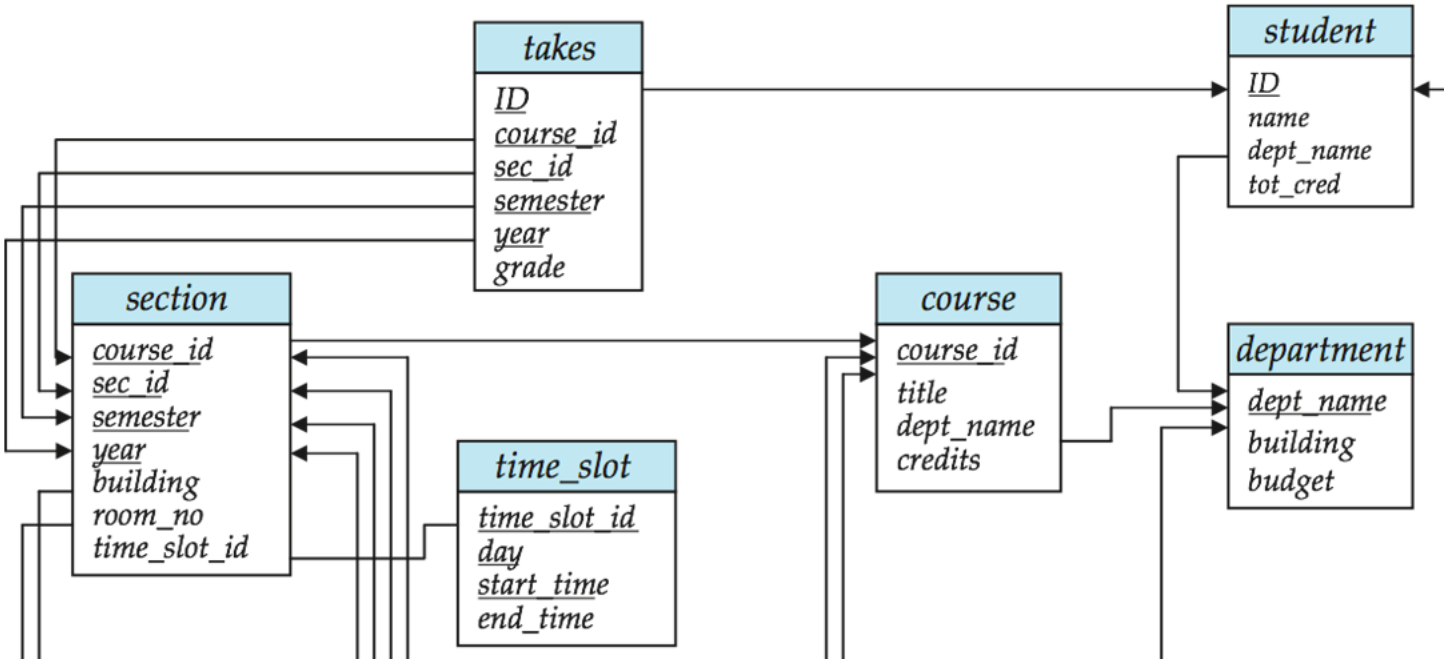
B. *List student IDs with title and credits of courses they took. Include students who haven't taken any courses.*



Discussion 4-3

Write the following query in SQL.

Update the tot_cred of each student to the sum of credits that she/he has taken with a grade other than 'F' and null.



Discussion 4-4

How can we insert into table *members,* defined below, two new persons *John* and *Mary* who are married to each other without violating the **foreign key constraint**.

```
create table members
  (     name varchar(20) primary key,
        age int,
        address varchar(50),
        spouse varchar(20) references members
  )
```