

Joins

Show students with their course info (only if course exists).

```
SELECT
    s.rollNo,
    s.fName,
    c.cName AS Course
FROM
    Student s
INNER JOIN
    Course c ON s.cId = c.courseId;
```

Show all students with course info (even if no matching course).

```
SELECT
    s.rollNo,
    s.fName,
    c.cName AS Course
FROM
    Student s
LEFT JOIN
    Course c ON s.cId = c.courseId;
```

Show all courses and the students enrolled (if any).

```
SELECT
    s.rollNo,
    s.fName,
    c.cName AS Course
FROM
    Student s
RIGHT JOIN
    Course c ON s.cId = c.courseId;
```

Show all students and all courses, match where possible.

```
SELECT
    s.rollNo,
```

```
s.fName,  
c.cName AS Course  
FROM  
    Student s  
LEFT JOIN  
    Course c ON s.cId = c.courseId
```

UNION

```
SELECT  
    s.rollNo,  
    s.fName,  
    c.cName AS Course  
FROM  
    Student s  
RIGHT JOIN  
    Course c ON s.cId = c.courseId;
```