

## Student course db

### Student table

```
CREATE TABLE student (  
    id int,  
    name varchar(31),  
    PRIMARY KEY (id)  
);
```

### Course table

```
CREATE TABLE course (  
    id int,  
    name varchar(31),  
    PRIMARY KEY (id)  
);
```

### Reg table

```
CREATE TABLE reg (  
    sid int,  
    cid int,  
    FOREIGN KEY (sid) REFERENCES student (id),  
    FOREIGN KEY (cid) REFERENCES course (id)  
);
```

### Inserting data

```
INSERT INTO student (id, name) VALUES  
(1, 'Pavan'),  
(2, 'Shuwais'),  
(3, 'Ramesh'),  
(4, 'Aditya');
```

```
INSERT INTO course (id, name) VALUES  
(1, 'Python'),  
(2, 'Java'),  
(3, 'Dbms'),  
(4, 'AI');
```

```
INSERT INTO reg (sid, cid) VALUES  
(1,2),  
(1,3),  
(2,1),  
(2,4),  
(3,2);
```

### Join command example

```
select student.name, course.name
-> from student
-> join reg
-> on reg.sid = student.id
-> join course
-> on course.id = reg.cid;
```

```
+-----+-----+
| name   | name   |
+-----+-----+
| Pavan   | Java   |
| Pavan   | Dbms   |
| Shuwais | Python |
| Shuwais | AI     |
| Ramesh  | Java   |
+-----+-----+
```

```
6 rows in set (0.000 sec)
```