

Difference between inner join and left join.

students table

| <u>student id</u> | <u>student name</u> |
|-------------------|---------------------|
| 1 | Ritesh |
| 2 | Vijay |
| 3 | Bhaskar |

Enrollment table.

| <u>Enroll ID</u> | <u>student ID</u> | <u>Course</u> |
|------------------|-------------------|---------------|
| 101 | 1 | Python |
| 102 | 2 | SQL |

Inner join:

```
Select s.studentname, e.course  
from students s  
inner join Enrollment e  
on s.studentID = e.studentID;
```

Output:

| <u>student name</u> | <u>Course</u> |
|---------------------|---------------|
| Ritesh | Python |
| Vijay | SQL |

⇒ It gives matching ~~tab~~ data from both the tables.

Left join:

```
Select s.studentname, e.course  
From students s  
left join enrollments e  
On s.student ID = e.student ID;
```

Output:

| <u>student name</u> | <u>Course</u> |
|---------------------|---------------|
| Ritesh | Python |
| Vijay | SQL |
| Bhaskar | Null |

⇒ It gives matching data and all the data from left table
⇒ It gives matching data from both tables and gives all data from left table and gives corresponding null values from the right table.