* JOINS:-
* Joints are used with select statement.
* It is used to retrieve the data from multiple talbes from same database.
* Fetching the records from different tables will be very easy.

There are three types of mysql joins.

* Inner join (simple join)
* Outer Join

1. Left outer join
2. Right outer join

* Right join

**Inner join:-**

In order to return all the rows from multiple tables where the join condition is satisfied.

This is the most commonly used joins in mysql.

Syntax:-select columns from tablename1 inner join table2 on table1.col1=table2.col1;

**Outer left join:-**

Return all rows from the left hand side table and all the rows from right hand side table by satifying the join condition.

Syntax:-select cols from table1 left outer join table2 on table1.col=table2.col1;

**Right join:-**

Return all rows from the right hand side table rows on to the right table by satifying the join condition.

**Self join:-**

It is basic join. The data/rows in the table are combined /joined with the same data/rows in the same table.

Syntax:- select col1name from table1,table2 where condition;

**Cross join:-**

It will return all the records from both the tables(table1&table2)

Syntax:-select colname from table1 cross join table2;

CREATE TABLE Emp(

EmployeeID INT PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

Position VARCHAR(50),

Salary int

);

INSERT INTO Emp (EmployeeID, FirstName, LastName, Position, Salary)

VALUES

(2, 'sravya', 'kotha', 'Developer', 60000),

(3, 'lp', 'parthi', 'Designer', 55000),

(4, 'jyo', 'veluri', 'Analyst', 58000);

CREATE TABLE Departments (

DepartmentID INT PRIMARY KEY,

DepartmentName VARCHAR(100)

);

INSERT INTO Departments (DepartmentID, DepartmentName)

VALUES

(1, 'IT'),

(2, 'HR'),

(3, 'Marketing');

select\*from Emp;

select \*from Departments;

select \*from Emp inner join Departments on Emp.employeeID=Departments.DepartmentID;

select \*from Emp left join Departments on Emp.employeeID=Departments.DepartmentID;

select \*from Emp right join Departments on Emp.employeeID=Departments.DepartmentID;

select \*from Emp cross join Departments on Emp.employeeID=Departments.DepartmentID;

select \* from Emp,Departments where employeeID=3;