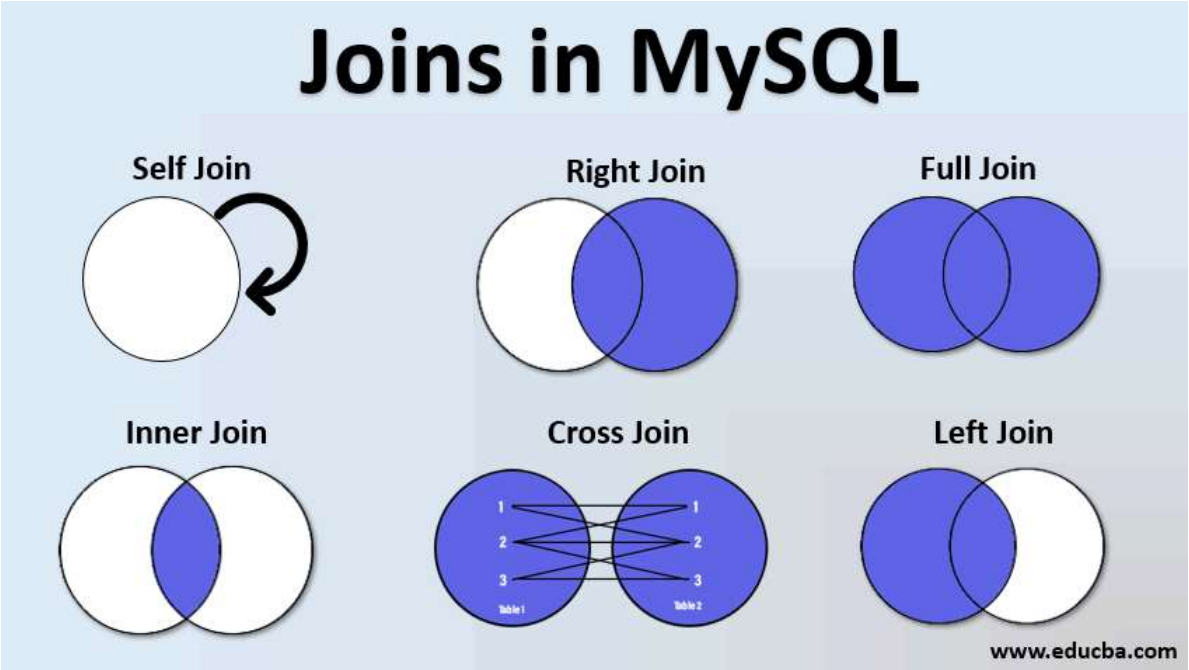
Joins in MySQL
Self Join
Right Join
Full Join
Inner Join
Cross Join
Left Join
1
2
3
1
2
3
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In [ ]:

```
## Joins
A join is used to combined rows from two more tables based on a related column
inner join : it will fetch the common records from both the tables
left join: it will fetch all common records betwwen two tables
    as well as left side of all the records
right join: it will fetch all common records betwwen two tables
    as well as right side of all the records
full join: it will fetch all common records between two tables
    as well as left and right side of all the records

-- use test;

create table dept(
Id int,
dept_id int Primary key auto_increment,
dept_name varchar(100)
)

insert into dept(Id,dept_name) values(4,"HR")

select * from dept;
select * from demo;

--- Inner join

select demo.DemoId, demo.Age, demo.CreatedDate, dept.dept_id, dept.dept_name
from demo inner join dept on demo.Id = dept.Id

-- Left join

select demo.DemoId, demo.Age, demo.CreatedDate, dept.dept_id, dept.dept_name
from demo left join dept on demo.Id = dept.Id

-- Right join
select demo.DemoId, demo.Age, demo.CreatedDate, dept.dept_id, dept.dept_name
from demo right join dept on demo.Id = dept.Id

-- Full  join
select dept.dept_id, dept.dept_name,'' as CreatedDate
from  dept
union all
select demo.DemoId, demo.Age,demo.CreatedDate
from demo


## other Built-In function and Operations
select * from demo; -- * means - ALL COLUMNS
select DemoId,Age from demo

select distinct(Age) from demo;
select * from dept;
select length(dept_name) as DEPT from dept;
select length(trim(dept_name)) as DEPT from dept;


select * from dept where dept_name='Hr'
```

```
select * from dept where dept_name!='Hr'  -- != (is not equal to)  <> (is not
select * from dept where dept_name <> 'Hr'

select * from dept where dept_name in ('Hr','IT')
select * from dept where dept_name not in ('Hr','IT')

select * from demo where age > 20
select * from demo where age >=20
select * from demo where age < 30
select * from demo where age <= 30
select * from demo where age > 10 and age < 40
select * from demo where age between 10 and 40

select * from demo where age between 10 and 40 limit 2
```