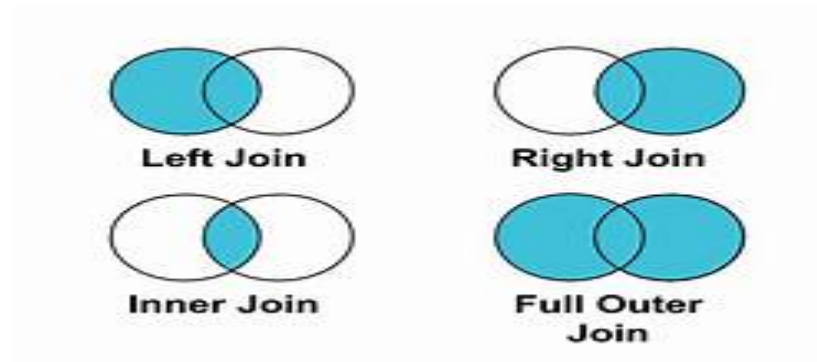


## SQL Joins:-



```
-- cross join
-- select * from join1.users1
-- cross join join1.groups t2

-- inner join
-- select * from join1.membership t1
-- inner join join1.users1 t2
-- on t1.user_id=t2.user_id

-- left join
-- select * from join1.membership t1
-- left join join1.users1 t2
-- on t1.user_id=t2.user_id

-- right join
-- select * from join1.membership t1
-- right join join1.users1 t2
-- on t1.user_id=t2.user_id

-- full outer join can't perform in mysql
```

```
-- select * from join1.membership t1
-- left join join1.users1 t2
-- on t1.user_id=t2.user_id
-- union
-- select * from join1.membership t1
-- right join join1.users1 t2
-- on t1.user_id=t2.user_id
```

```
-- union
-- select * from join1.person1
-- union
-- select * from join1.person2
```

```
-- union all
-- select * from join1.person1
-- union all
-- select * from join1.person2
```

```
-- intersect
-- select * from join1.person1
-- intersect
-- select * from join1.person2
```

```
-- except
-- select * from join1.person1
```

```
-- except
-- select * from join1.person2

-- self join
select * from join1.users1 t1
join join1.users1 t2
on t1.emergency_contact=t2.user_id

-- joining on the basis of multiple column
-- select * from join1.students t1
-- join join1.class t2
-- on t1.class_id=t2.class_id
-- and t1.enrollment_year=t2.class_year

-- joining on more than 2 table
-- select * from flipcart.order_details t1
-- join flipcart.orders t2
-- on t1.order_id=t2.order_id
-- join flipcart.users t3
-- on t2.user_id=t3.user_id

-- select t1.order_id,t1.amount,t1.profit from
flipcart.order_details t1
-- join flipcart.orders t2
-- on t1.order_id=t2.order_id
-- join flipcart.users t3
-- on t2.user_id=t3.user_id
```

```
-- 1
-- select t1.order_id,t2.name,t2.city
-- from flipcart.orders t1
-- join flipcart.users t2
-- on t1.user_id=t2.user_id
```

```
-- 2
-- select t1.order_id,t2.vertical
-- from flipcart.order_details t1
-- join flipcart.category t2
-- on t1.category_id=t2.category_id
```

```
-- filtering rows
-- select * from flipcart.orders t1
-- join flipcart.users t2
-- on t1.user_id=t2.user_id
-- where t2.city='Pune'
```

```
-- practice
-- select t1.order_id,sum(t2.profit) as 'profit' from
flipcart.orders t1
-- join flipcart.order_details t2
-- on t1.order_id=t2.order_id
-- group by t1.order_id
-- having profit>0
```

```
-- 2
-- select name,count(*) as 'num_order' from flipcart.orders
t1
-- join flipcart.users t2
-- on t1.user_id=t2.user_id
-- group by t2.name
-- order by num_order desc limit 1
```

```
-- 3
-- select t2.vertical,sum(profit) from flipcart.order_details t1
-- join flipcart.category t2
-- on t1.category_id=t2.category_id
-- group by t2.vertical
-- order by sum(profit) desc limit 1
```

```
-- 4
-- select state,sum(profit) from flipcart.orders t1
-- join flipcart.order_details t2
-- on t1.order_id=t2.order_id
-- join flipcart.users t3
-- on t1.user_id=t3.user_id
-- group by state
-- order by sum(profit) desc limit 1
```

```
-- 5
select t2.vertical,sum(profit) from flipcart.order_details t1
join flipcart.category t2
on t1.category_id=t2.category_id
group by t2.vertical
having sum(profit) > 5000
```