JOIN

--Join is used to return a value from both the table which should have common column in both the tables.

--JOIN is the keyword is used in SQL statements to extract the data from two or more tables.

--Types Of joins

--1.JOIN/Inner Join

--2.Outer Join

-- a.Left Join /Left Outer join

-- b.Right Join /Right Outer join

-- c.FULL Join /Full Outer join

--3.SELF join

--4.Equi-join

--5.Cross Join

--1.JOIN/Inner Join

--This join return the only matching records from Table

--Syntax:

--select \*/Column\_name(s) from Table\_Name1

--INNER JOIN /JOIN Table\_Name2

--ON Table\_Name1.Column\_name =Table\_Name2.Column\_name

Create Table A (Aid int, Name varchar(20))

Create Table B (Bid int, Name varchar(20),Aid int)

Create Table C (Cid int, Name varchar(20),Bid int)

select \* from A

select \* from B

select \* from A

INNER JOIN B

ON A.Aid =B.Aid

select \* from A

JOIN B

ON A.Aid =B.Aid

insert Into A values(1,'Sam')

insert Into A values(2,'tom')

insert Into A values(3,'harry')

insert Into A values(4,'katich')

insert Into A values(5,'kate')

insert Into B values(11,'harry',3)

insert Into B values(12,'katich',4)

insert Into B values(13,'kate',5)

insert Into B values(14,'mate',6)

insert Into B values(15,'sat',7)

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insert Into C values(21,'harry',13)

insert Into C values(22,'katich',14)

insert Into C values(23,'kate',15)

insert Into C values(24,'mate',16)

insert Into C values(25,'sat',17)

select A.Aid,A.Name,B.Bid,C.Cid from A join B ON A.Aid = B.Aid join C On B.Bid = C.Bid

------Equi\_join

Equi\_join is join but without using a join keyword we can join the two or more tables.

--While writing Equi-join will use where clause

select \* from A ,B,C where A.Aid=B.aid and b.Bid =c.Bid

select \* from A\_1 ,B\_1,C\_1 where A\_1.aid=B\_1.aid and B\_1.bid=C\_1.bid;

create table EMP\_new (id int, name varchar (10),Company varchar (10),Work varchar (10));

insert into EMP\_new values (1,'Amit','Info','pune')

insert into EMP\_new values (2,'Puja','Tcs','Mumbai')

insert into EMP\_new values (3,'Poonam','Tech','Pune')

insert into EMP\_new values (4,'Abhi','Logic','Nagpur')

insert into EMP\_new values (5,'Kirti','Lim','Nagar')

select \* from EMP\_new

create table Job (salary int,base varchar (10),id int)

insert into job values (10000,'Pune',1)

insert into job values (20000,'Mumbai',3)

insert into job values (30000,'Nagpur',4)

insert into job values (40000,'Pune',5)

insert into job values (35000,'Nagar',2)

select \* from Job;

select \* from EMP\_new,job where EMP\_new.id=job.id and EMP\_new.work=job.base;

Q. Find EMP name who worked in a department having location same as their address. (Equi Join)

-----Cross Join

--Cross Join is nothing but a cartesian product.

select \* from A cross join B

select \* from A