

1. **INNER JOIN:** Lists information of common values(here Bid) from both the tables

```
select ticket.destination,bus.bno
from ticket
inner join bus
on ticket.bid=bus.bid;
```

Results Explain Describe Saved SQL History

DESTINATION	BNO
Delhi	AB123
Mumbai	CD456
Mumbai	EF789
Bangalore	GH012
Bangalore	IJ345
Mumbai	KL678
Chennai	MN901
Jaipur	OP234
Kanpur	QR567
Nagpur	ST890
Chennai	UV123
Jaipur	WX456
Lucknow	YZ789
Lucknow	YZ789
Jaipur	AA001
Mumbai	BB234
Nagpur	CC567
Delhi	DD890
Surat	GG789
Surat	GG789

20 rows returned in 0.00 seconds

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2. **Left join:** Return all rows from left table even if there are no matches in right table.

```
select destination,bno
from bus
left join ticket
on bus.bid=ticket.bid;
```

Results Explain Describe Saved SQL Histo

DESTINATION	BNO
Delhi	AB123
Mumbai	CD456
Mumbai	EF789
Bangalore	GH012
Bangalore	IJ345
Mumbai	KL678
Chennai	MN901
Jaipur	OP234
Kanpur	QR567
Nagpur	ST890
Chennai	UV123
Jaipur	WX456
Lucknow	YZ789
Lucknow	YZ789
Jaipur	AA001
Mumbai	BB234
Nagpur	CC567
Delhi	DD890
-	EE123
-	FF456
Surat	GG789
Surat	GG789

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3. **Right join:** Returns all rows from the right table, even if there are no matches in the right table.

```
select cname,bno
from buscompany
right join bus
on buscompany.cid=bus.cid;
```

Results Explain Describe Saved SQL History	
CNAME	BNO
ABC Bus Company	AB123
XYZ Bus Co.	CD456
Sunshine Transit	EF789
City Bus Lines	GH012
Green Express	IJ345
Mega Bus Corp.	KL678
Transit Solutions	MN901
Swift Transit	OP234
Star Bus Services	QR567
Blue Horizon Transit	ST890
Golden Bus Lines	UV123
Northwest Transit	WX456
Coastal Bus Co.	YZ789
Metro Transit	AA001
Skyline Bus Services	BB234
Sunrise Transit	CC567
Sunset Bus Corp.	DD890
Speedy Transit	EE123
Big City Bus Co.	FF456
Northern Express	GG789

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4. **FULL JOIN:** Combines the results of both left and right outer joins.

```
select cname,dname
from buscompany
full join driver
on buscompany.cid=driver.cid;
```

Results Explain Describe Saved SQL History

CNAME	DNAME
ABC Bus Company	Rajesh
XYZ Bus Co.	Priya
XYZ Bus Co.	Amit
ABC Bus Company	Sneha
Sunshine Transit	Vikram
City Bus Lines	Smita
Green Express	Rahul
Green Express	Kavya
Mega Bus Corp.	Sanjay
City Bus Lines	Riya
Transit Solutions	Avinash
Green Express	Neha
Swift Transit	Arjun
Swift Transit	Divya
Transit Solutions	Alok
Star Bus Services	Shreya
Blue Horizon Transit	Vishal
Blue Horizon Transit	Nisha
Golden Bus Lines	Rakesh
Northwest Transit	Anjali
Skyline Bus Services	-
Big City Bus Co.	-
Speedy Transit	-
Sunset Bus Corp.	-
Metro Transit	-
Sunrise Transit	-
Coastal Bus Co.	-
Northern Express	-

28 rows returned in 0.00 seconds

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5. **EQUI JOIN:** Select driver and company name where company id is equal in both tables.

```
select driver.dname,buscompany.cname  
from driver,buscompany  
where driver.cid=buscompany.cid;
```

Results Explain Describe Saved SQL Hist

DNAME	CNAME
Rajesh	ABC Bus Company
Sneha	ABC Bus Company
Priya	XYZ Bus Co.
Amit	XYZ Bus Co.
Vikram	Sunshine Transit
Smita	City Bus Lines
Riya	City Bus Lines
Rahul	Green Express
Neha	Green Express
Kavya	Green Express
Sanjay	Mega Bus Corp.
Alok	Transit Solutions
Avinash	Transit Solutions
Arjun	Swift Transit
Divya	Swift Transit
Shreya	Star Bus Services
Vishal	Blue Horizon Transit
Nisha	Blue Horizon Transit
Rakesh	Golden Bus Lines
Anjali	Northwest Transit

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6. **Self join:** join a table to itself as if the table were two tables. Here Driver table is joined to itself.

```
select a.Did, b.Dname, a.dsalary
from driver a, driver b
where a.dsalary>b.dsalary and a.Did<3;
```

Results Explain Describe Saved SQL History

DID	DNAME	DSALARY
1	Priya	25000
1	Sneha	25000
1	Vikram	25000
1	Smita	25000
1	Kavya	25000
1	Sanjay	25000
1	Riya	25000
1	Neha	25000
1	Divya	25000
1	Shreya	25000
1	Vishal	25000
1	Nisha	25000
1	Anjali	25000
2	Sneha	22000
2	Kavya	22000
2	Riya	22000
2	Neha	22000
2	Shreya	22000
2	Anjali	22000

19 rows returned in 0.01 seconds

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7. **Cross join:** Cartesian product of the sets of two joined tables.

```
select bus.bno,ticket.destination  
from bus  
cross join ticket  
where bus.bid=ticket.bid;
```

Results Explain Describe Saved SQL History

BNO	DESTINATION
AB123	Delhi
CD456	Mumbai
EF789	Mumbai
GH012	Bangalore
IJ345	Bangalore
KL678	Mumbai
MN901	Chennai
OP234	Jaipur
QR567	Kanpur
ST890	Nagpur
UV123	Chennai
WX456	Jaipur
YZ789	Lucknow
YZ789	Lucknow
AA001	Jaipur
BB234	Mumbai
CC567	Nagpur
DD890	Delhi
GG789	Surat
GG789	Surat

20 rows returned in 0.00 seconds [Download](#)