

AS allows us to Ironame Columns or table Selections with an alias

SELECT payment-id AS my payment-Coltem.

FROM payment;

It selleton payment id Coldern as my-payment-Column

SECECT Cust-id, SVM (amount) AS total-spent

FROM Payment

GROUP By ast-id;

Convert this &

one.

[5.2] JOIMS INMER JOINS

There are several kinds of joins including INNER JOIN, OUTER JOIN and Self-jain.

- Suppose you want to get date from two tables named A & B.

- The B table has the fra field that relates to the Primary key of A table

To get deta from both tables, you & Use the INNER TOIN Could in the SELECT Statement as follows:

SELECT A. Pla, A.C.1, B. P.Kb, B.C.2.
FROM A.
INNER JOIN B. ON A. PKa = B. fka;

- First, you specify the Column in both tables from which you whant to select date in the SELECT Clause.
- -> Second, you specify the main table is., A in the FROM Clause.
- Thord, you specify the table that the main table joins to i.e., B in the INNER JOIN Clause. In addition, you put a join Condition after the ON keyword i.e., A. PKa = B-fka

SELECT A.Pka, A.C.1, B.Pkb, B.C.2

FROM A

INNER JOIN B ON A.Pka = B.fka;

- In all g name of the table its long, you are use a table alials e.g., the and refer to the alumn as the column name
 - Eg: SELECT astonner. Cust_id, first_name, lost_home, email, amount, payment_douba

 FROM astonner.

 INNER JOIN Payment ON payment-autid

= Customer . Cust . id

ORDER BY Word. Cut_id;

WHERE Costomen. Cust_id = 2; -> org

Egs = 15.3:- More Eg

SELECT payment_id, amound, first_name, last_name

FROM payment

JANNER JOIN Stoff ON payment. staff_id = staff. staff_id;

COMNT (Title)

COUNT (Title)

-> SELECT title, FROM inventory

INNER JOIN film. ON inventory filmid=film.film.id;

WHERE Store-id=1.

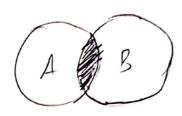
GROUPBY title;

ORDER By title;

SELECT film. title, language name : AS movie-language.
FROM film
JUNER TOIN language. ON language. language-id = film. language-ie

5.4)- ovde view g join types

15.41 INNER JOIN: - Produces only the set of Records that match in both table A & table B.



original tables

id Name id Name

1 Pirale 1 Rutabaga

2 monkey & Pinate

3 Ninjor 3 Dorth Vader

4 Spaghetti 4 NiNja

SELECT * FROM table A

INNER JOIN Table B ON Table A. name = Table B. name

id name id name

1 Pirete 2 Pirete

3 Ninja 4 Ninja

[5.4.2] Full OUTER JOIN: Full outer join produces the set of all records in Table A & table B, with metching records from both sides whose available. If there is no match, the missing side will Contain null.



original tables

id name id name

1 Pirate 1 Rutabaga

2 Monkey 2 Pirate

3 Ninja 3 Darth Vader

4 Spaghethi 4 Ninja

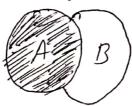
SELECT * FROM Toble A.

FULL OUTER JOIN Toble B.

ON Toble A. name = Table B. name.

id	name	id	name
1	Pinate	2	Pirate
2	Monkey	null	null
3	Ninja	4	Mirja
4	Spaghetti nul	rull	New
null	nul	1	Rutabaga
huh	rull	3	Dorth Vador.

15.4.3) LEFT OUTER JOIN: - produces a Complete set of records from Table A, with the matching records (where available) in table B. If there is no metch, the right side will Contain null.



id name id name

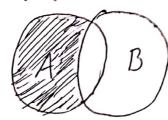
1 Pirate 1 Rutabaga
2 monkey 2 pirate
3 Ninja 3 Parth Vader.
4 Spogletti 4 Ninja

SELECT & FROM table A LEFT OUTER JOIN Table B. ON Table A. name = Table B. name

id name

1 Pirate
2 Pirate
2 Monkay
3 Minja
4 Spagholli
4 Spagholli
1 null null

St 9 records only in table A, but not in table B, we perform the same left outer join, then exclude the records we don't what from the right side via a where clause.



oliginal Tables

id name id name

1 Pinate 1 Rutabaga

2 monkey. 2 Pisrate

3 Ninja 3 partte Vader

4 Spagnetti 4 Ninja

SELECT * FROM Table A LEFT OUTER JOIN Toble B ON Toble A. name = Toble B. name WHERE Toble B, id IS NULL

id name id name
2 Monkey rul rull
4 Spaglotte rull rull

5-4-5) Full OUTER JOSH with WHERE

Produced the Set of neloved unique to Table & & Table B, we porform the same full outer join, then exclude the goods we don't what from both sidel via a whose clause

Original tables

id name id name

1 Pizate 1 Rutabaga 2 monkey 2 pizate 3 Ninja 3 Parti Vader

4 Spylett 4 Nipja

SELECT & FROM Table &

Full OUTER JOIN Table B

ON Fallet. name = Table B. name

WHERE Table A.id IS null

OR Table B. id Is null

name id name

2 Monkey null null

null null S p'aghetti

1 Rutabega hull null

3 - Owth rador null null

(5.4.6) LEFF OUTER JOEN = Egg

SELECT film.filmid, film. title, inventory - id

FROM film.

LEFT OWER JOEN inventory ON inventory. filmid=filmfilmid;

WHERE inventory. filmid ES NULL;

ORDER By film.filmid;

The Union operator Combines result sets of two or more SELECT statements into a single result set.

Syntax

SELECT Columnes, Column-2 FROM +61-names UNION SELECT Column-1, Column-2 FROM 74-name-2

Rules to	be applied to	of the second	ttem
1 both grumber	veries must ru J. Columns.	turn the	Same
2) The Ce	2008ponding Colu	ms in the global types.	peries
p	Sold 2007 9.1 Propre amount 1 Prov	nane Mike Jon Mary	
Thin	om Sales 200791 Rom Sales 20792; mount	Union ALL SELECT + F	FROM Seles 200792 mount
	deletete		