SQL COMMANDS CHEAT SHEET

SOI Commands

DESC;

SQL Commands =				SELECT column_name, COUNT(*)	It is used in SQL because		table_2.column_name;		II OIII LUDIC L	ti and perform an inner join
The commands in SQL are called Queries and they are of two types:			HAVING	FROM table_name	the WHERE keyword			It is a function that takes		between t1 and t2
				GROUP BY column name	cannot be used in			the column name and a	SELECT * FROM t	SELECT c1, c2
Data Definition Query: The statements which defines the				HAVING COUNT(*) > value;	aggregating functions		SELECT ROUND(column name,	integer as an argument,		FROM t1
structure of a database, create tables, specify their keys,				SELECT column name(s)		ROUND	integer)	and rounds the values in a	To select all rows and columns	LEFT JOIN t2 on condition
i	indexes and so on			FROM table 1	It is used to combine rows		FROM table name;	column to the number of	from table t	Select column c1 and c2 from table
• [Data manipulation queries: These are the queries which can			JOIN table 2	from different tables if the		TROW table_name,	decimal places specified by		t1 and perform a left join between t1
l t	be edited.			ON table 1.column name =	Join condition goes TRUE					and t2 SELECT c1. c2
	E.g.: Select, update and insert operation			table 2.column name;	Join Condition goes TNOL			an integer It is a statement that is	SELECT c1 FROM t	FROM t1
				INSERT INTO table name		CELECE	SELECT column_name		WHERE c1 = 'test'	RIGHT JOIN t2 on condition
Command	Syntax	Description		(column 1, column 2, column 3)	It is used to add new rows	SELECT	FROM table_name;	used to fetch data from a	To select data in column c1 from	Select column c1 and c2 from table
	ALTER TABLE table_name	It is used to add columns to	INSERT	VALUES (value_1, 'value_2',	to a table			database	table t. where c1=test	t1 and perform a right join between
ALTER table	ADD column name datatype;	a table in a database		value 3);	to a table			It is used to specify that	table t, where c1-test	t1 and t2
	SELECT column name(s)	a table iii a database		SELECT column name(s)	It is a operator used with	SELECT	SELECT DISTINCT column_name	the statement is a query		SELECT c1, c2
	FROM table_name	It is an operator that is used	IS NULL/ IS	FROM table name	the WHERE clause to check	DISTINCT	FROM table_name;	which returns unique	SELECT c1 FROM t	FROM t1
AND	_	·	NOT NULL	WHERE column name IS NULL;	for the empty values			values in specified columns	ORDER BY c1 ASC (DESC)	FULL OUTER JOIN t2 on condition
	WHERE column_1 = value_1	to combine two conditions		WHERE COlumn_name is NOLL;	It is an special operator		SELECT SUM(column_name)	It is function used to return	To select data in column c1 from	Select column c1 and c2 from table
	AND column_2 = value_2;			SELECT column_name(s)	used with the WHERE	SUM	FROM table name;	sum of values from a	table t either in ascending or	t1 and perform a full outer join
AS	SELECT column_name AS 'Alias'	It is an keyword in SQL that	LIKE	FROM table_name WHERE column_name LIKE pattern;	clause to search for a specific pattern in a column		ricolar table_name,	particular column	descending order	between t1 and t2
	FROM table name;	is used to rename a column				UPDATE	UPDATE table_name	e It is used to edit rows in a table	SELECT c1 FROM t	SELECT c1, c2
		or table using an alias name					SET some_column = some_value			FROM t1
BETWEEN	SELECT column_name(s)		LIMIT	SELECT column name(s)	It is a clause to specify the maximum number of rows	UPDATE	WHERE some_column =		ORDER BY c1LIMIT n OFFSET	CROSS JOIN t2
	FROM table_name	It is an operator used to		FROM table name			some value;		offset To skip the offset of rows and return the next n rows	Select column c1 and c2 from table
	WHERE column_name	filter the result within a		LIMIT number:	the result set must have		SELECT column name(s)	It is a clause used to filter		t1 and produce a Cartesian product
	BETWEEN value_1 AND	certain range			It is a function that takes		FROM table name	the result set to include		of rows in a table
	value_2;			SELECT MAX(column_name)	number of columns as an	WHERE	WHERE column name operator	the rows which where the	SELECT c1, aggregate(c2)	SELECT c1, c2
	SELECT column_name,		MAX	FROM table name;	argument and return the		value;	condition is TRUE	FROM t	FROM t1, t2
CASE	CASE WHEN condition THEN		MIN	Thom table_name,	largest value among them		WITH temporary name AS (condition is mor	GROUP BY c1	Select column c1 and c2 from table
	'Result 1' WHEN condition	It is a statement used to		SELECT MIN(column_name) FROM table_name;		s a function that takes mber of columns as an gument and return the WITH	SELECT*	It is used to store the result of a particular query in a temporary table using an	To group rows using an aggregate	t1 and produce a Cartesian product
	THEN 'Result 2'	create different outputs					FROM table name)		function	of rows in a table
	ELSE'Result 3'	inside a SELECT statement					SELECT *		SELECT c1, aggregate(c2)	SELECT c1, c2
	END								FROMt	FROM t1 A
	FROM table name;				smallest value among		FROM temporary_name	alias	GROUP BY c1HAVING condition	INNER JOIN t2 B on condition
		It is a function that takes the			them		WHERE column_name operator		Group rows using an aggregate	Select column c1 and c2 from table
COUNT	SELECT COUNT(column_name) FROM table_name;	name of a column as	OR	SELECT column_name FROM table_name WHERE column_name = value_1 OR column_name = value_2;	It is an operator that is used to filter the result set		value;		function and filter these groups	t1 and join it to itself using INNER
						vs DELETE V	DELETE FROM table name	It is used to remove the rows from a table	using 'HAVING' clause	JOIN clause
					to contain only the rows where either condition is		WHERE some column =		and the last	
					TRUE		_			==-
	CREATE TABLE table name (It is a clause used to sort		some_value;		Tools	liPaat
	column 1 datatype,	It is used to create a new		SELECT column_name	the result set by a			W. S	// NTE	enipoot
Create TABLE	column_2 datatype,	table in a database and	ORDER BY	FROM table_name	particular column either numerically or	AVG	SELECT AVG(column_name) FROM table_name;	It is used to aggregate a numeric column and		
	column_3 datatype	specify the name of the	ORDER BY	ORDER BY column_name ASC						FURTHERMORE:
		table and columns inside it		DESC:	numerically of		- '	return its average		

Command

SELECT column_name(s)

ON table_1.column_name =

table 2 column name:

FROM table_1

OUTER JOIN LEFT JOIN table_2

It is an clause in SQL used

for aggregate functions in

collaboration with the

SELECT statement

alphabetically

SELECT column name, COUNT(*)

SELECT column, name, COUNT(*). It is used in SOL because

GROUP BY column_name;

FROM table_name

uerying data from Single Table

To select the data in Column c1

SELECT c1 FROM t

It is sued to combine rows

from different tables even

if the condition is NOT

TRUE

data from Multiple Table

Select column c1 and c2 from table

INNER JOIN t2 on condition

t1 and perform an inner join

SELECT c1, c2

FROM t1

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