

Oracle-SQL-Query-Cheatsheet Cheat Sheet by lwbayes91 via cheatography.com/38072/cs/11895/

Basic Select (chap7.4)		Basic Select (chap7.4) (cont)			Intermediate select (cont)			Aggregate functions (cont)			
Select columns	SELECT coll colname2 FF Table1 SELECT		Select based on fuzzy string	SELECT colname1, colname2	'%' matches one or more	List SELECT unique DISTINCT values colname1 only , colname2 FROM Table1	NCT Null value	Use aggregate functions on computed	SELECT SUM/AVG/MIN/MAX(colname1 - colname2) FROM		
Select based on logical conditions	colname1, colname2 FROM	operators: >, <, >=, <=, <>(or !=)	matching	FROM Table1 WHERE colname1 LIKE '%word%'	characters, '_' matches exactly one character; LIKE is case sensitive in Oracle all members in list must be same type; can be used in conjuction with subqueries		FROM Table1	as one distince value; use ORDER BY colname NULLS FIRST to	values Ta	Table1	
									*Group by clause		
	Table1 WHERE colname1 = value1								Calculate aggregate function based on group membership	SELECT colname1, , MAX(coln ame2) FROM Table1	GROUP BY must be used in conjuction with Aggregate functions;
	SELECT colname1, colname2 FROM Table1 WHERE colname1 = value1 AND colname2 > value2	Other logical operators: OR, NOT	Select based	colname2 FROM Table1 WHERE colname1				place nulls at top of list			
			on value in a list			Aggregate functions				GROUP BY	GROUP BY clause
						Count NON- NULL values of an) FROM	colname1 Table1		colname1	must include all columns in the colomn list other
Select	SELECT	Smaller		(value1, value2)		attribute Count	SELECT				than those in
based on value in range	colname1, colname2 FROM	must be first in Oracle		iate select SELECT colname1,		unique NON-Nu values	COUNT(DISTINCT(1)) FROM			the aggregate function;
	Table1 WHERE colname1 BETWEEN lower limit AND upper limite		results	colname2 FROM Table1 ORDER BY colname1, colname2	Select maximum and minimum values in an	SELECT n MAX/MI- N(colna n me1)	ONLY ONE VALUE; can only be used	can include columns that are not selected at all			
Select null values	SELECT colname1, colname2 FROM Table1 WHERE					attribute		inside a SELECT query	Filter the result of GROUP BY clause with HAVING clause	SELECT colname1, , MAX(coln ame2) FROM Table1 GROUP BY colname1 HAVING MAX(coln ame2) >	In Oracle, column alias can be used for the result of the aggregate function column
colname3 IS		NULL				Select sum and average of an attribute	SELECT SUM/AV G(colna me1) FROM Table1	Yields ONLY ONE VALUE; can only be used inside a SELECT query			



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ı	Relational Set Operators					
	Get all records from two relations excluding duplicates	Set1 UNION Set2				
	Get all records from two relations including duplicates	Set1 UNION ALL Set2				
	Get all records in both relations	Set1 INTERSECT Set2				
	Get all recods in relations 1 but not in relation 2	Set1 MINUS Set2				

Utility Funct	tions (cont)
Floor value	FLOOR(numeric_value)
Concatenat ing String	string1 string2 string3
Uppercase	UPPER(string_value)
Lowercase	LOWER(string_value)
Subset a string	SUBSTR(string_value , starting_index, ending_index)
length of a string	LENGTH(string_value)

Utility Functions						
Formatting datetime into character	TO_CHA R(date_v- alue, fmt)	MONTH; MON; MM; D(DOW); DD(DOM); DAY;YYY Y;YY				
Formatting character into datetime	TO_DAT E(charat- er_string)					
Current date	SYSDATE					
Adding months to a date	ADD_MONTHS(date_value, n)					
Absolute value	ABS()					
Round falue to a specific precision	falue to a ue, p)					
Ceiling value	CEIL(numeric_value)					

Join	
Inner joins	INNER JOIN
Join two table on common attributes but retain rows in the first table without a match	LEFT JOIN
Join two table on common attributes but retain rows in the second table without a match	RIGHT JOIN
Join two table on common attributes but retain unmatched rows	FULL JOIN



By lwbayes91 cheatography.com/lwbayes91/

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