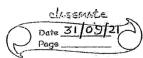
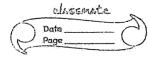


	Date 30/08/21
	SUB QUERIES
	A enpanery or Inver dnery or a
	Nested query is a query within another query
	and embedded within another query the WHERE
	clause.
	Subqueries can be used with the
	SELECT, INSERT, UPDATE and DELETE statements
-	along with the operators like = $, \angle, \rangle, \angle z, \rangle = ,$
	IN, BETWEEN etc.
×	•
	RULES THAT SUBQUERIES MUST FOLLOW
<u> </u>	Subqueries must be enclosed within paranthesis.
	
. 2)	A subquery can have only one column in
-	the SELECT clause, unless multiple columns are
	in the main query.
(8	An ORDER BY command cannot be used in a
** ** *** **	subquery, although the main query can use
***	an ORDER BY. The GROUP BY command can
-	be used to perform the same function. as
	the ORDER BY in subquery.
4)	Subqueries that return more than one row
- 7	can only be used with multiple value operators
	such as the In operator.
5)	The BETWEEN operator cannot be used with a
	subquery. However, the BETWEEN operator can
	be used within a subquery.



	Tage
	CO-RELATED SUB QUERY
*.	A query is called co-related sub query when
	both the inner query when both the inner
	query and the outer query are interdependent.
*	For every row processed by their inner
	query, the outer query is processed as well.
*	The inner query depends on the outer query
	before it can be processed,
Ex;	Lets select all employees whose salary is less
•.	than the avg of all the employees salaries in
· · · · · · · · · · · · · · · · · · ·	the same department.
	SELECT ENAME, SAL, DEPTHO FROM EMP A WHERE
	A.SALL (SELECT AVG (SAL) FROM EMP B WHERE
	A. DEPTNO = B. DEPTNO). OTDER BY DEPTNO .
-	
(د	Write a query to display EMPNO and count
*	how many times repeated:
	SELECT EMPNO, COUNT (EMPNO) FROM EMP GROUP
· - 1 - 2 - 1	BY EMPNO;
3)	CUAS to display all duplicate ID's and how
	many people has repeated. <+H>
	SELECT ID, COUNT (ID) FROM NSR -CUST GROUP
	BY ID HAVING COUNT (ID) >1;
	SYNTAX ! SELECT (CN), COUNT ((CN)) FROM (TN)
	GROUP BY (CN) HAVING COUNT ((CN) >19
	<u> </u>
;	
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	Date
	IN LINE QUERY
	When we write a subquery after from clause
	of the main query that is called 'In-line query:
	<u>OR</u>
,	When we write a subquery in place of table
	name of main query i.e called In-line query
	or In-line view,
Ex:	SELECT * FROM
	(SELECT PID, PNAME, PRICE, PRICE XIO/100 AS
	DISCOUNT FROM PRODUCT);
	SELECT * FROM
	(SELECT PID, PNAME, PRICE , PRICE X 10/100 AS
	DISCOUNT FROM PRODUCT) WHERE DISCOUNT > 2000;
	'NOTE !
· · · · · · · · · · · · · · · · · · ·	In line query, the subquery result set act as
	a table which is in buffer and holds data
	under Alias name.also,
* 10	
2>	
Ex:	, , ,
	GROUP BY DEPTNO, ORDER by Tot _SAL;
>	Here query will execute first upto group by
	clause. Then the data will be in buffer only
``	with Alias name. Order by clause will sort
-	the data in buffer itself.
-	
[1	