## TASK-4-1: Study of nested querics \* A nested query (subquery) is a query written inside another query. It is used when the result of one query is needed by another. Types of nested queries:-1. single-now subquery-Returns one value. Example: - Find employees with salary above the average salary. SELECT Emphiame, salary FROM Employee INTHERE salary > (SELECT A YGI(salary) FROM Employee); 2- multi-10w subguery - returns multiple value. Example: Find Employees who are in the same dept as "Alise Johnson" 6- Find emplayers common in StLECT Empriame, Dept FROM Employee MHERE DEPT IN (SELECT DEPT FROM Employee WHERE EMPLOY = Alice johnson'): 3-Nested with IN/ANY/ALL operators:-SELECT Emphane, salary FROM Employee WHERE salary > ANY (SELECT Salary FROM Emp WHERE OXPE +1R) 4. correlated subquery: - Inner query depends on outer query SELECT Emprione, Dept, Salary FROM Employee MHERE salary> CSELECT AUGI (salary) FROM Employee WHERE Dept = e Dept)

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4-2- performing query processing using nested queries I. Find employees with the highest salary: SELECT Emphane, salary FROM Employee WHERE salary = (SELECT MAXES alary) FROM Employee); 2. Find employees who joined after bob smith: SELECT Empriame joining date FROM Employee WHERE joining date > ESELECT joining Date FROM Employer WHERE EmpName = Bob smith); 3. Find employees who Earn more than the average salary of IT department. SELECT Empriame, Dept, Swary WHERE Salary > CSELECT AUGI(salary) FROM Employee WHERE 4. Find Employees from dept that have more than 2 emp: SELECT Empriame, Dept WHERE DEPT IN (SELECT DEPT FROM Employee GIRCLEP BY DEPT HAVING count (\*172); 5. Find Employees working in the same city as 'bouid Brown'. SELECT Empresone, city WHERE City= CSELECT City FROM Employee WHERE Emphanc= 'David Blown'); VEL TECH - CSE Result: -

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PERFORMANCE (5)

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RECORD (5)

TOTAL (20)

RESULT AND ANALYSIS (5)

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query processing using nested

quiries are successfully

perified.