Task 4: Independent and Corelated Nested Queries Aimi To implement and understand Nestal Queries in sal, including independent, and correbted Subqueires, with practical Enamples in a University darkbase Scenario. procedure: i create required tables (e.g. students, Department, Courses, Enrollments). .a. Somple data. 3. Write and Execute independent 4 write and Execute Correlated nested queies . 5. Observe and analyse the difference in rengation and results EXPLANATION 1. Nested Query (subquary) is a querey written inside after querey. It is used when we built of are querey is required for outerquerey Types of Nested Querey 1. Independent (simple), Nested queins -) The inner queiries are independentally of the outer queip -) The Result of the innerqueries are is used to the ofter query. Syntax: SELECT COLUMN IT FROM TABLE WHERE COLUMN OPERATOR (SELECT COlumn From Table

where CONDITION) EXAMPLE INDEPENDENT NESTED QUEREN find student where belong to the some department as Alice SELECT Student Nome FROM student WHERE DEPT DIC SELECT CEPT ID FROM STUDENTS where student Nome = 'Aisi' 11 EXPLANATION -) inner quay, gets Aico's DED Jia/syntax), -) CUTER guey, Finds all students (Otro)= 10% a corrected Nested queries: · the inner querey is Enpected repetedly, are for Each for Each row of the outer queity. · inner qualty operators on a value from the cut of querry Syntax: SELECT COUNUM-ist FROM tablet where Enist SPIRIT Y FROM TABLE DHZ WHERE EXIST (SELECTI FROM ENRULMENT WHERE condition including to column = +2 column 1; OUTPUT

charie.

Compressor !

BY KRANCHONG SKING

Alice Bob charlie Dovid Find Student who have enrolled in attempted student who have enrolled in attempted the select, student Name
FROM Students
WHERE EXISTS!

SELECT
FROM ENROLLMENTS
WHERE Student ID = student ID);
WHERE Student ID = student ID);

EXPLANATION.

For Each student in the outer query the inner dreams if that student Exists in Enrollments.

If yes -> The skolent returned

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Result: List of Employes where Salary is greater than the Querey Salary,