Task : 4

INDEPENDENT AND CORRELATED NESTED QUERIES

Aim : To Implement and understand nested queries in sql, including independent and correlated sub queries, with practical examples :

procedure :

1. create required table
2. Insert the sample data
3. write and execute independent nested query
4. write and execute correlated query
5. observer and analyze the difference between their results

1. Independent Nested Queries :

Syntax : Select column. List from table where column operator (select column from table where condition);

Std id	Std name	Dept id	Dept name
101	venu	01	AIML
102	shyam	02	AIML
103	srikrishna	03	AIDS
104	Toppo	04	AIML
105	pavan	05	AIDS
106	kamal	06	AIDS
107	sumanth	07	AIML

Query 1

Select stdname from student where

deptname = (select dept name from student where
std name = 'venu');

output :

Std name
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venu

Shyam

Toppo

Sumanth

2. Correlated Nested Query :

Syntax: select column _ List from table t_1 where exist

(select 1 from table 2 t_2 where exists condition Involving
t_1 column n = t_2 (column));

Slot Id	Std Id
111	105
114	104

Query 1 Select 5. stdname from student s where exists

(select 1 from slot t where t.stdid = s.stdid);

output: stdname
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pavan
Srikrishna

Result: Thus, to study and implement Independent
and correlated queries nested is executed Successfully