o'on. har

Task 4: Independent and corelated Nested Quience

Aim: To implement and understand Nested queries in SQL, including independent and correlated subquires, with practical examples in university database scenario.

Types of Nosted Quaries

1. Independent (simple) Nested Queries:

syntax:

SELECT column - list

FROM table

WHERE COLUMN OPERATOR (SELECT COlumn FROM

table WHERE condition);

Example 1: Independent Nested Query

SELECT student Name

From students

WHERE DOPL ID = (

SELECT DEPTID

FROM Students

WHERE Student Name = 'Alice!

Answer output:

Alice

charlie

```
Nestool
                        Queles:
2. corelated
 synlax:
SELECT celumn - 169+
from talde to
WHERE EXISTS (
    SELECT 1
            table t2
    FROM
                       involving to column = to column
    WHERE LOOK HON
 );
 Example 2 1 Corelated Nestad Array
 SELECT S. Student Name
 FROM students S
 WHERE EXISTS (
      SELECT 1
             Enrollments e
      FROM
     WHERE e. student ID = S. student ID
 Answea
 Alice.
Bob.
charlie.
pavid.
                implementation of nested quoties
Result:
```

in SQL, including independent and correlated subquires, with practical examples in a subquires, with practical examples in a university detabase scenario executed successfully