EXERCISE 5 AND 6

Subqueries, Logical Tables and Joins

LIVESQL LINKS:

Exercise 5: https://livesql.oracle.com/apex/livesql/s/pcck4bzer2qfosnxd0wdgno4m

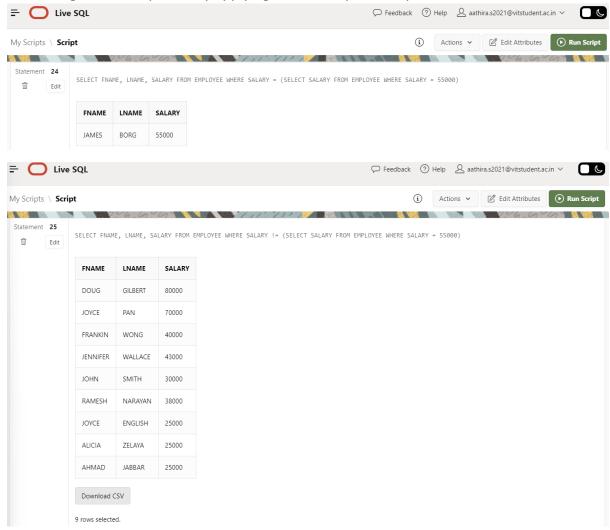
Exercise 6A: https://livesql.oracle.com/apex/livesql/s/pcc1hohot0tggn6c9i109jq7k

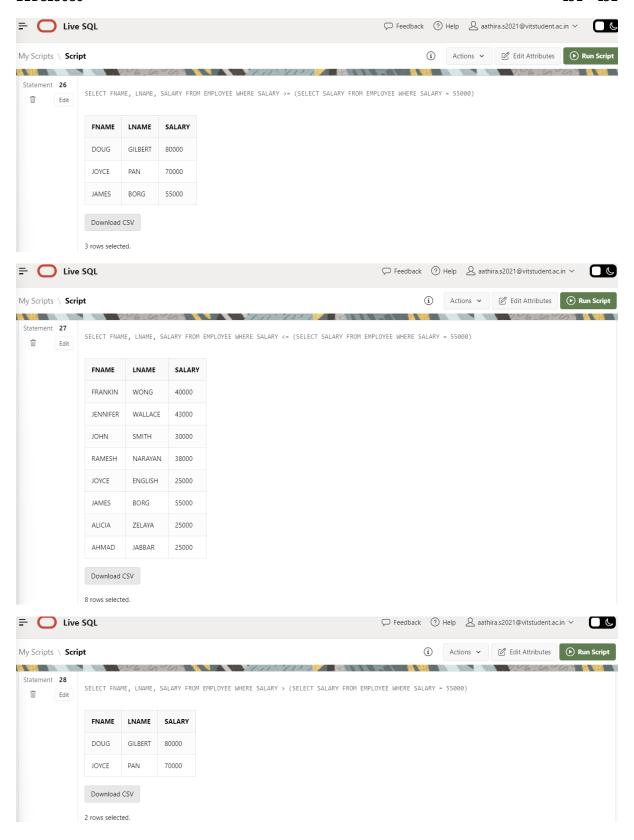
Exercise 6B: https://livesql.oracle.com/apex/livesql/s/pccz5nv30lwpvuytyya4fj17c

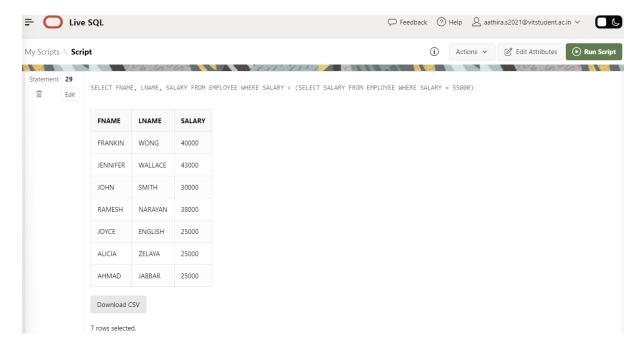
Exercise 5

Aim: To understand the concept of Sub queries and logical tables in oracle

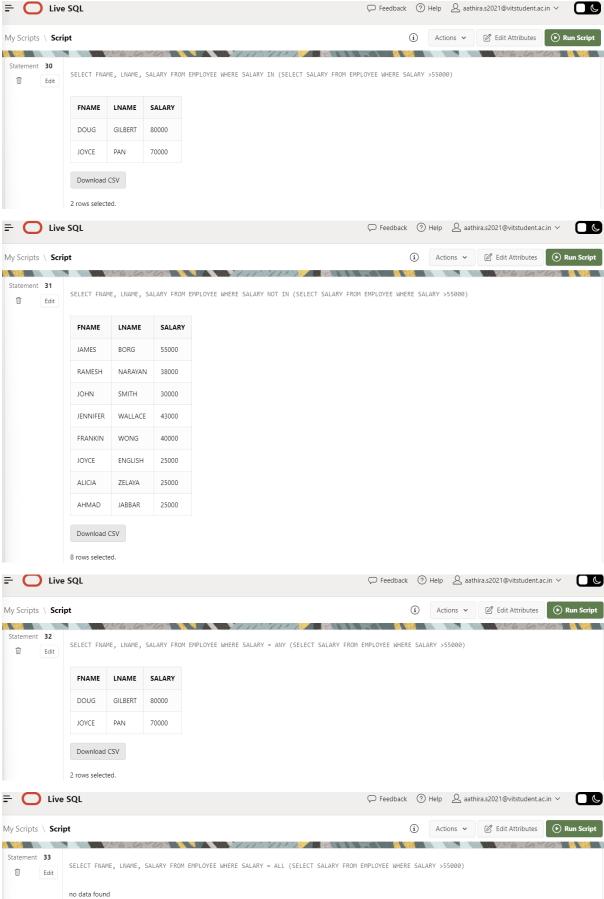
1. Use single row subqueries by applying all the comparison operators



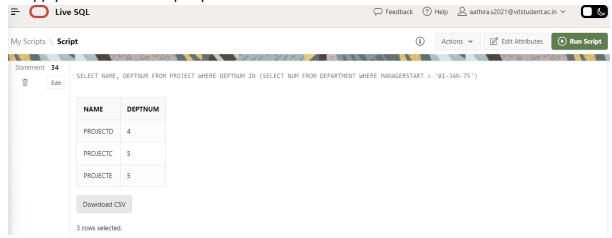




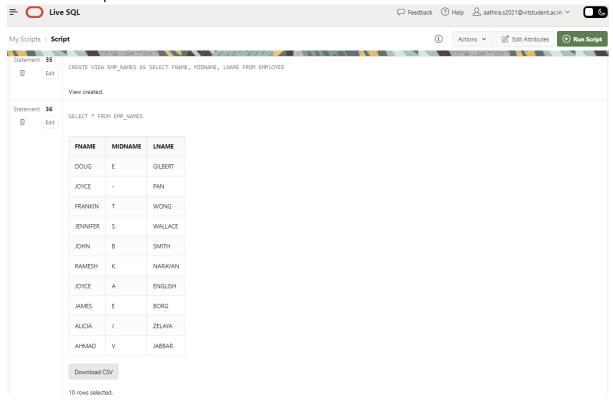
2. Use multiple row subqueries by applying all the operators (in, not in, all and any) □ Live SQL



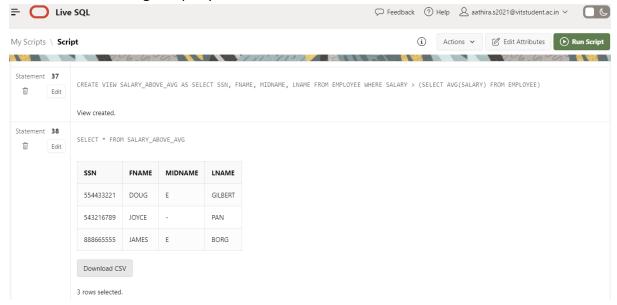
3. Apply a correlated subquery on the schema and retrieve relevant values.



4. Create a simple view.



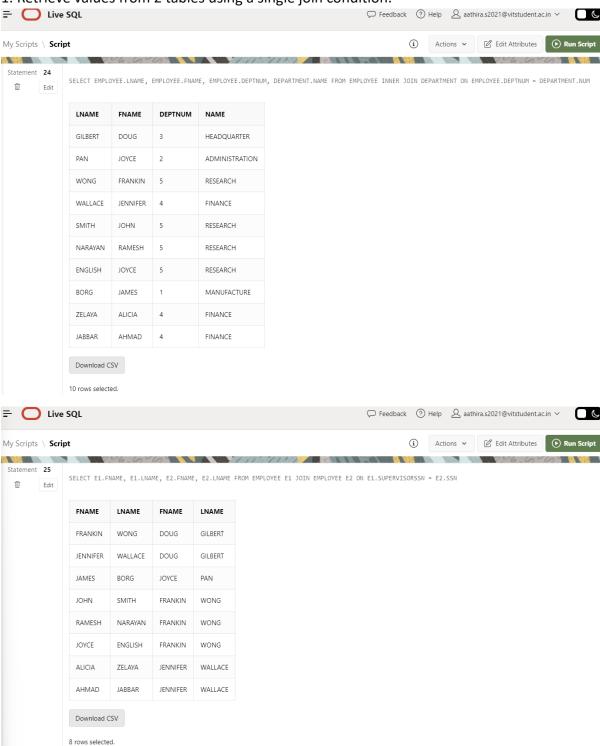
5. Create a view using subquery.

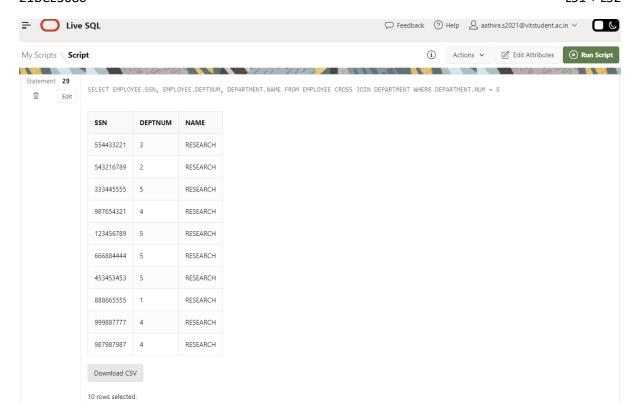


Exercise 6A

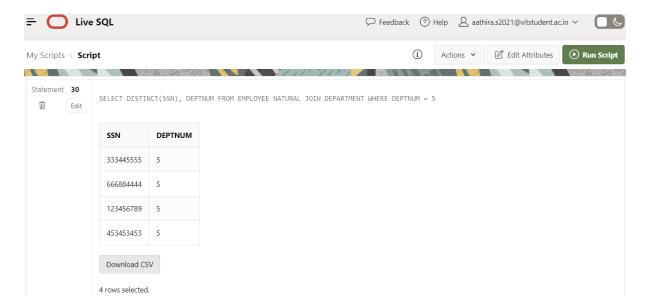
Aim: To understand types of function in SQL

1. Retrieve values from 2 tables using a single join condition.

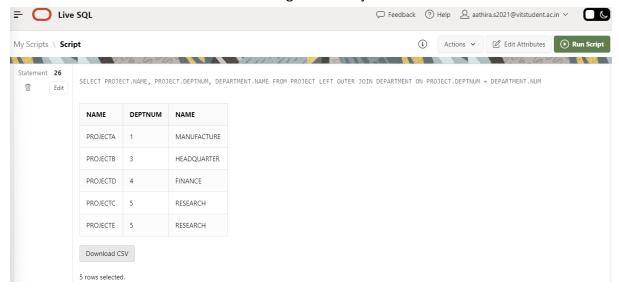




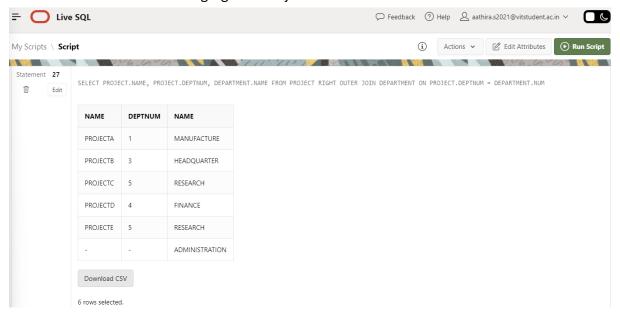
2. Retrieve values using natural join.



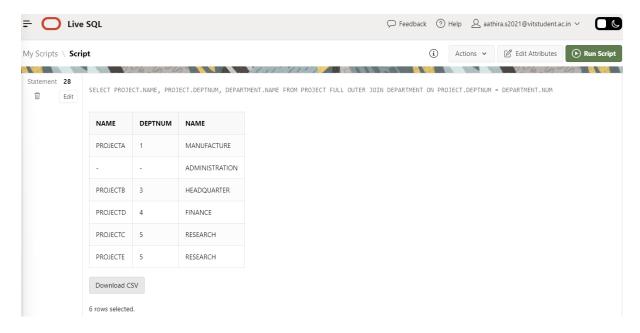
3. Fetch data from two or more tables using left outer join.



4. Fetch data from tables using right outer join.



5. Fetch data from tables using full outer join



Exercise 6B

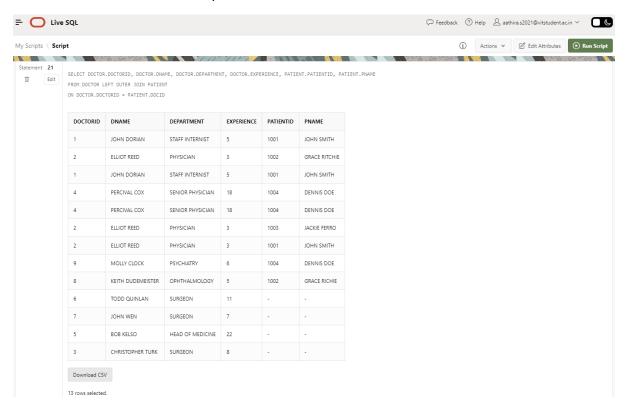
Aim: Create the below tables and insert values.

Doctor (Doctor Id, Name, department, experience)

Patient (Patient Id, Name, Doc Id, Admitted date, discharge date, disease)

Use SQL to answer the below queries.

1. Display the doctor details along with their patient details. Doctors without any patient should also be listed in the output.



2. Display the patient name and patient_id who were admitted more than a month in the hospital and serviced by a doctor in ophthalmology department.



3. Retrieve the details of doctor who have more than 2 patients

