01/09/2023 (Day 4)

Azure SQL

```
CREATE TABLE CUSTOMERS(

C_ID INT PRIMARY KEY,

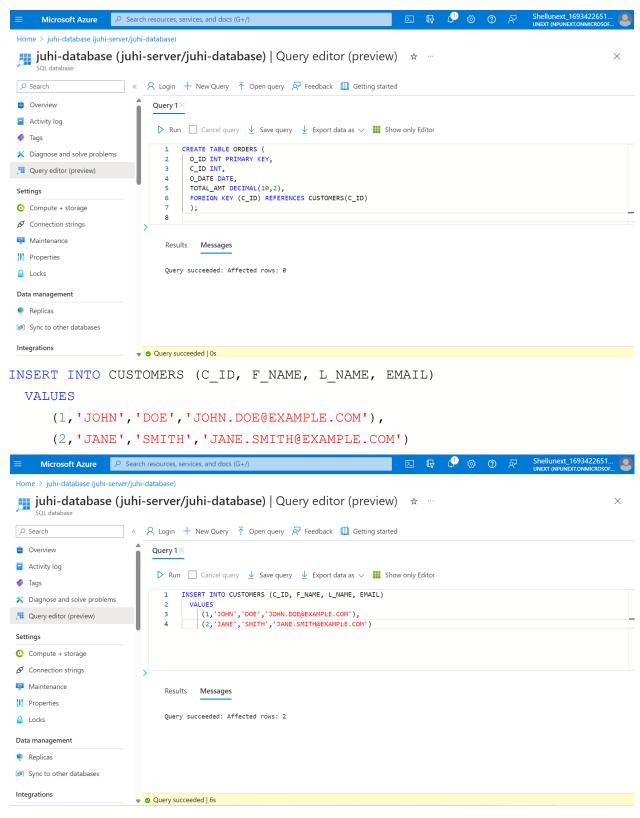
F_NAME VARCHAR(50),

L_NAME VARCHAR(50),

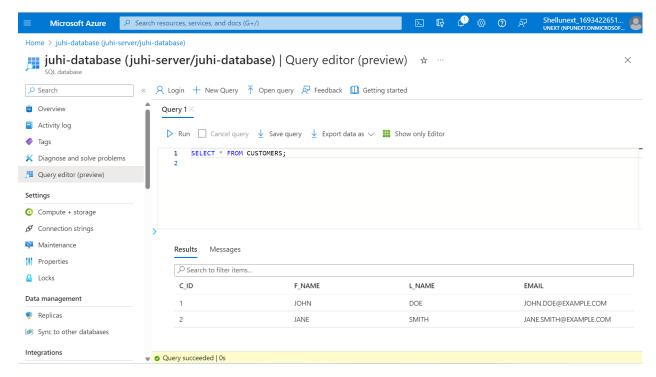
EMAIL VARCHAR(100)
);
```

```
    Search resources, services, and docs (G+/)

                                                                                   Microsoft Azure
 Home > Microsoft.SQLDatabase.newDatabaseNewServer_318f9d0fe9ce4c8995c24 | Overview > juhi-database (juhi-server/juhi-database)
 juhi-database (juhi-server/juhi-database) | Query editor (preview) 🖈 😁
                         « 
ho Login + New Query \bar{\uparrow} Open query \bar{\not} Feedback \bar{\blacksquare} Getting started
 Search
 Overview
                              Query 1×
 Activity log
                              Tags
                                    CREATE TABLE CUSTOMERS (
 × Diagnose and solve problems
                                     C_ID INT PRIMARY KEY,
                                      F_NAME VARCHAR(50),
Query editor (preview)
                                     L_NAME VARCHAR(50),
EMAIL VARCHAR(100)
 Settings
                                    );
 O Compute + storage
 \mathcal{S} Connection strings
 Maintenance
                                Results Messages
 Properties
                                Query succeeded: Affected rows: 0
 Locks
 Data management
 Replicas
 Sync to other databases
 Integrations
                          ▼ ② Query succeeded | 0s
CREATE TABLE ORDERS (
   O ID INT PRIMARY KEY,
   C ID INT,
   O DATE DATE,
   TOTAL AMT DECIMAL(10,2),
   FOREIGN KEY (C ID) REFERENCES CUSTOMERS (C ID)
   );
```



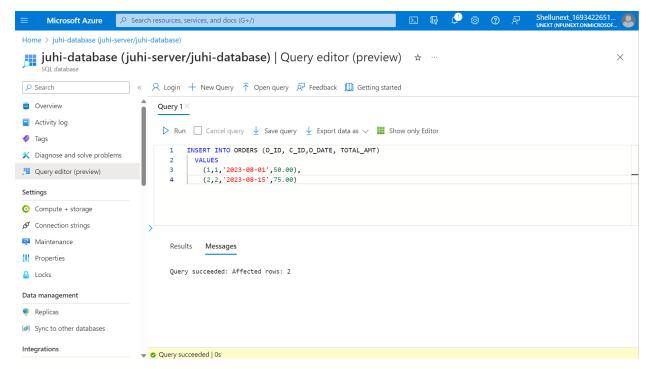
SELECT * FROM CUSTOMERS;



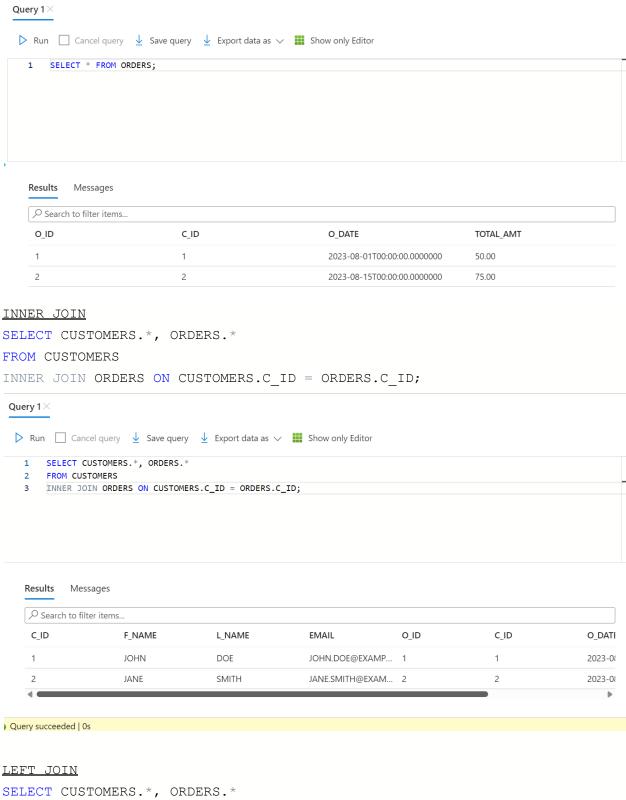
INSERT INTO ORDERS (O_ID, C_ID,O_DATE, TOTAL_AMT)

VALUES

```
(1,1,'2023-08-01',50.00),
(2,2,'2023-08-15',75.00)
```



SELECT * FROM ORDERS;

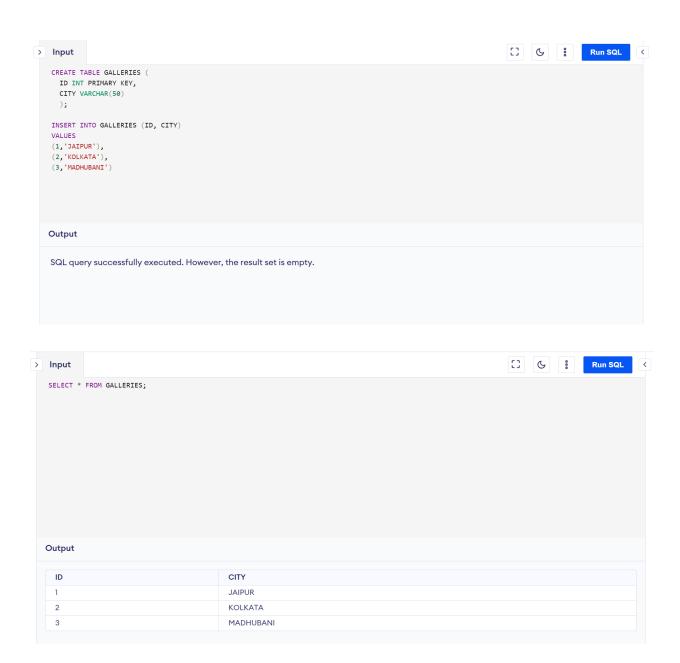


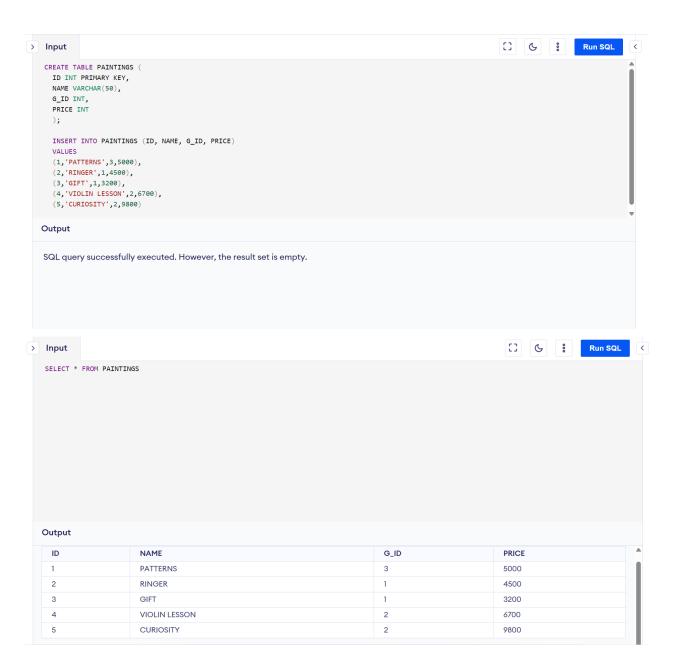
FROM CUSTOMERS

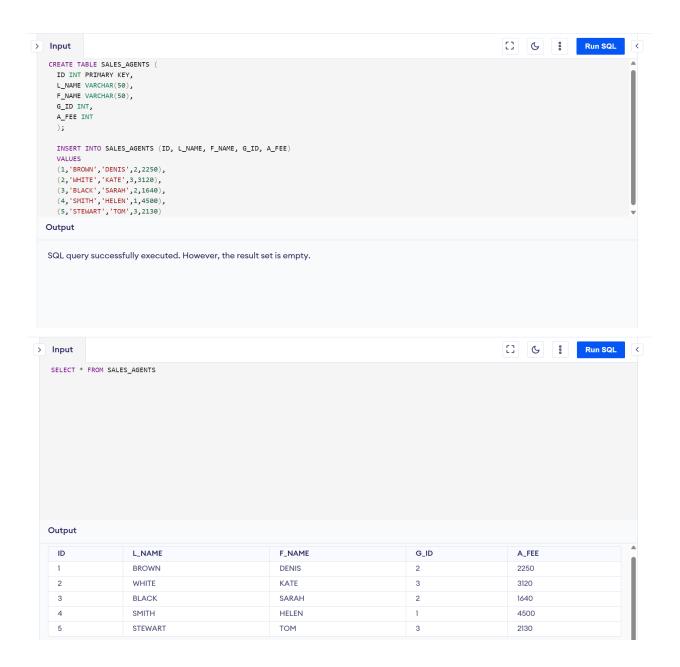
LEFT JOIN ORDERS ON CUSTOMERS.C_ID = ORDERS.C_ID;

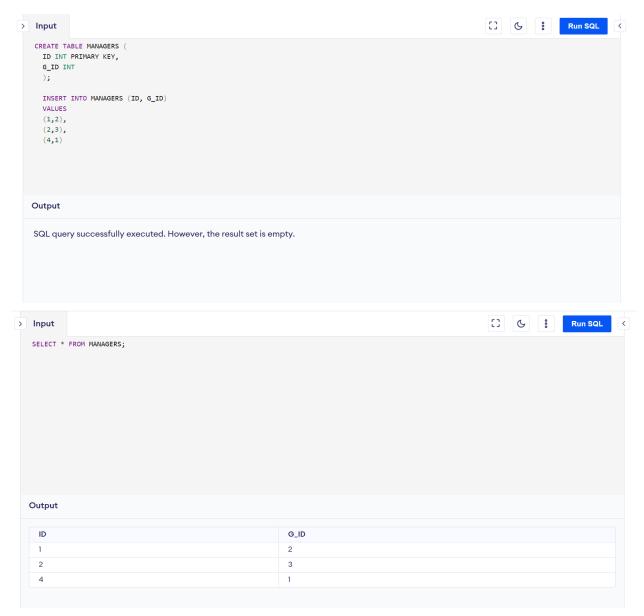
Query 1× 1 SELECT CUSTOMERS.*, ORDERS.* FROM CUSTOMERS LEFT JOIN ORDERS ON CUSTOMERS.C_ID = ORDERS.C_ID; Results Messages Search to filter items... C_ID F_NAME L_NAME **EMAIL** O_ID C_ID O_DATI JOHN JOHN.DOE@EXAMP... 1 2023-08 DOE 2 JANE SMITH JANE.SMITH@EXAM... 2 2023-08 Query succeeded | 0s UNION SELECT C_ID FROM CUSTOMERS UNION SELECT C_ID FROM ORDERS; Query 1× $ightharpoonup ext{Run} \quad \Box$ Cancel query $\quad \underline{\downarrow} \quad ext{Save query} \quad \underline{\downarrow} \quad ext{Export data as} \quad \lor \quad \blacksquare$ Show only Editor 1 SELECT C_ID FROM CUSTOMERS 3 SELECT C_ID FROM ORDERS; Results Messages Search to filter items... C_ID 1 2

Query succeeded | 0s

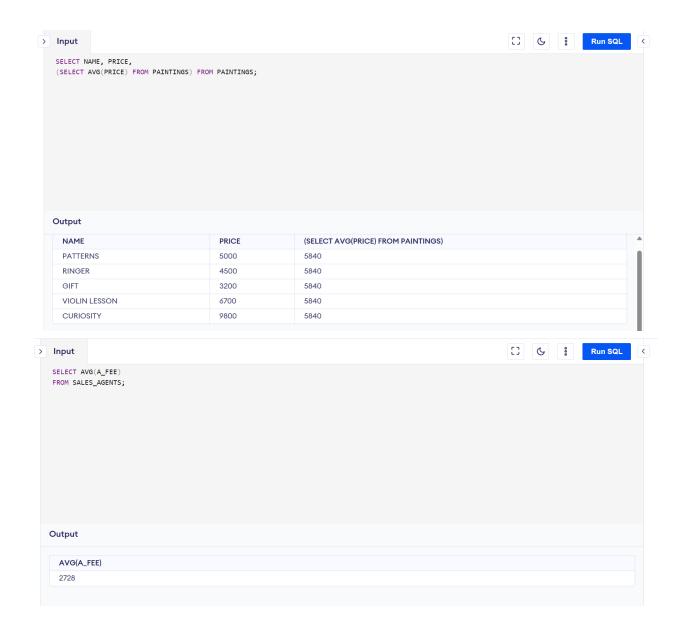


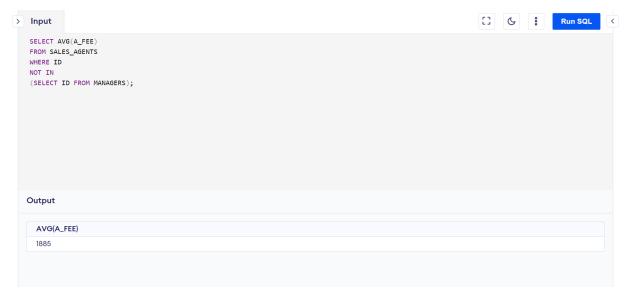






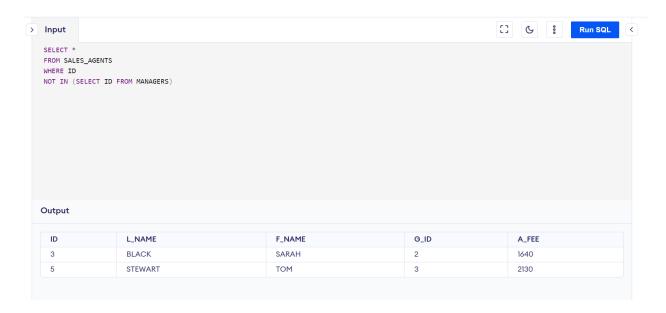
SINGLE ROW SUBQUERY



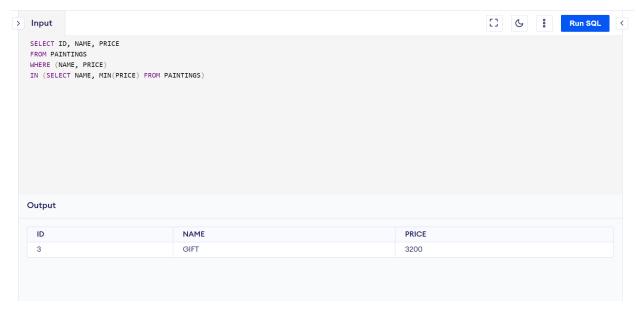


MULTIPLE ROW SUBQUERY

Subqueries that return multiple rows as output to their parent query .

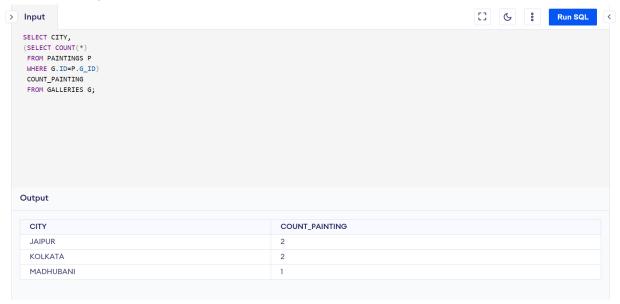


MULTI-COLUMN SUBQUERY

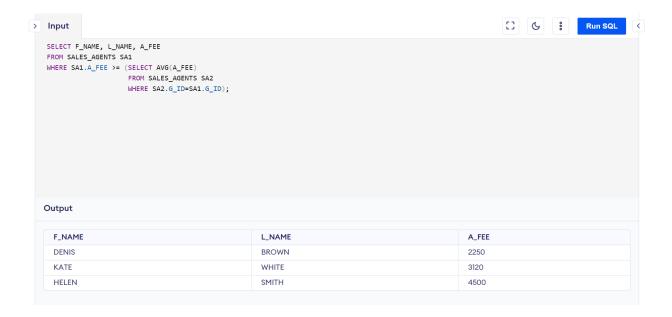


CORRELATED SUBQUERY

Subqueries that return multiple columns as output depending on the information obtained from the parent query.

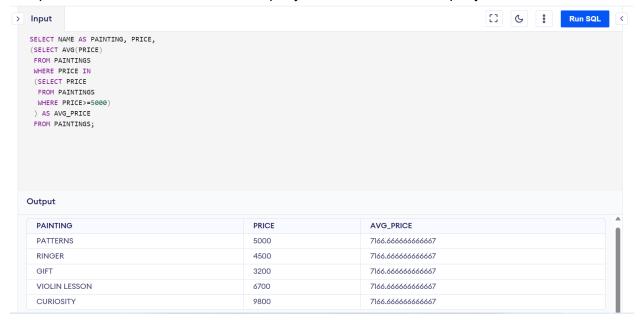


Find out the information of those sales agents whose agency fees is greater than or equal to the agency fees of their gallery

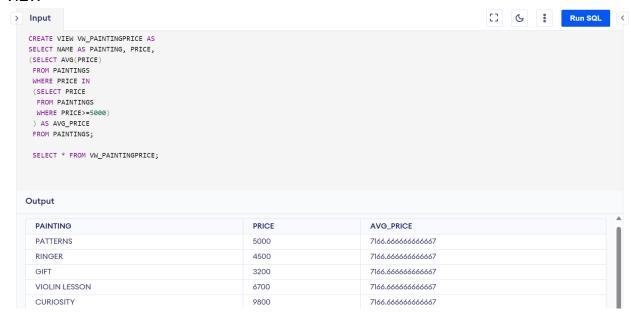


Nested Subquery

Subqueries that are inside another sub-query are called nested subquery.



VIEW



INDEXES CLUSTERED INDEXES