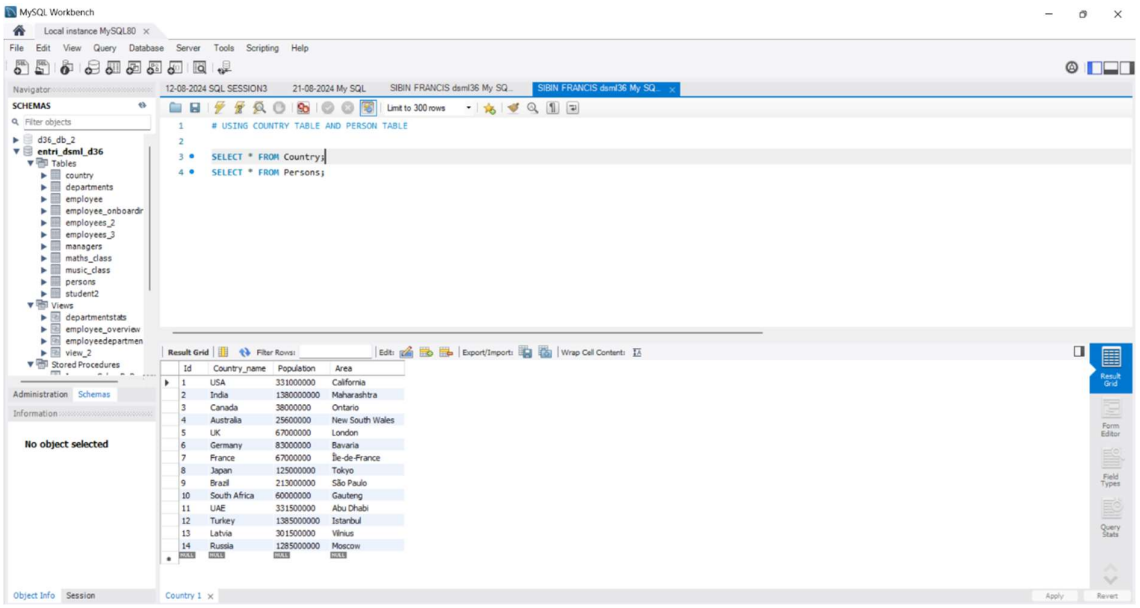
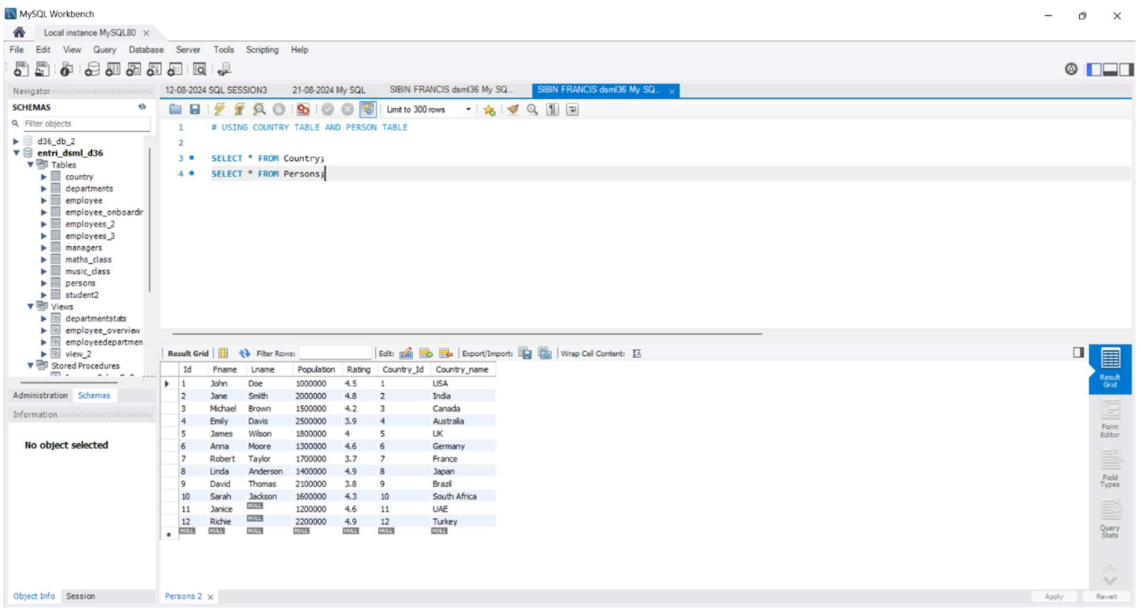
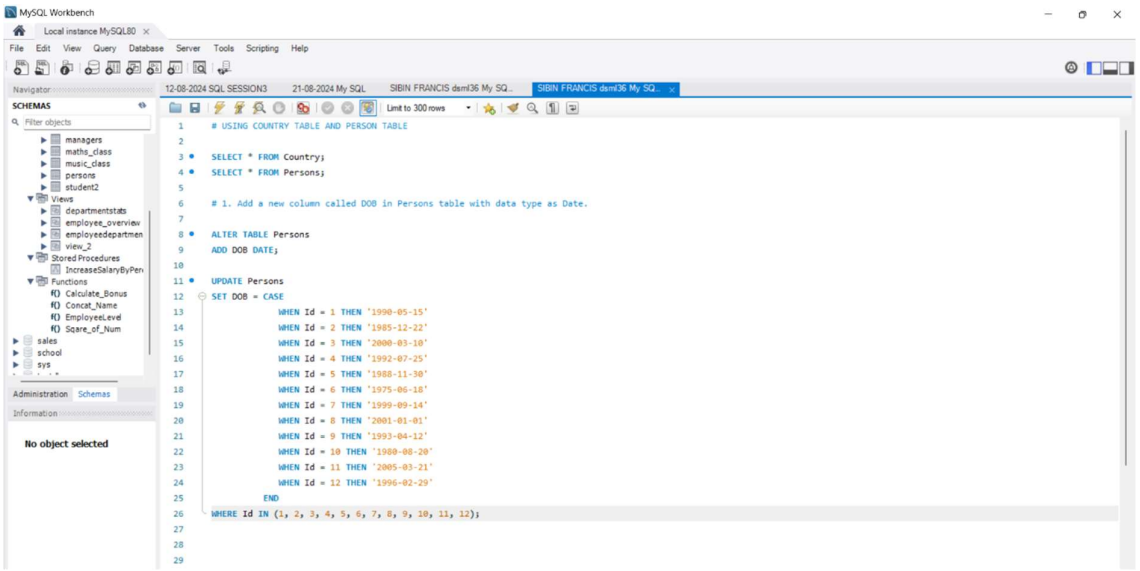
FUNCTIONS

➢ DISPLAYING TABLES COUNTRY AND PERSONS

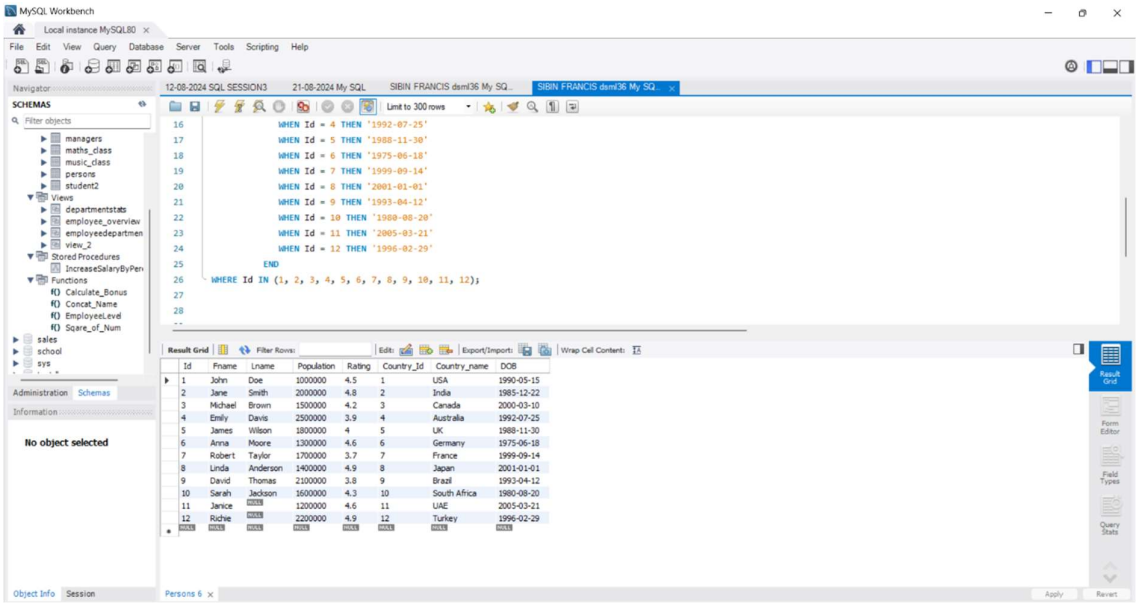




➢ **ADDED A NEW COLUMN CALLED DOB IN PERSONS TABLE WITH DATA TYPE AS DATE.**



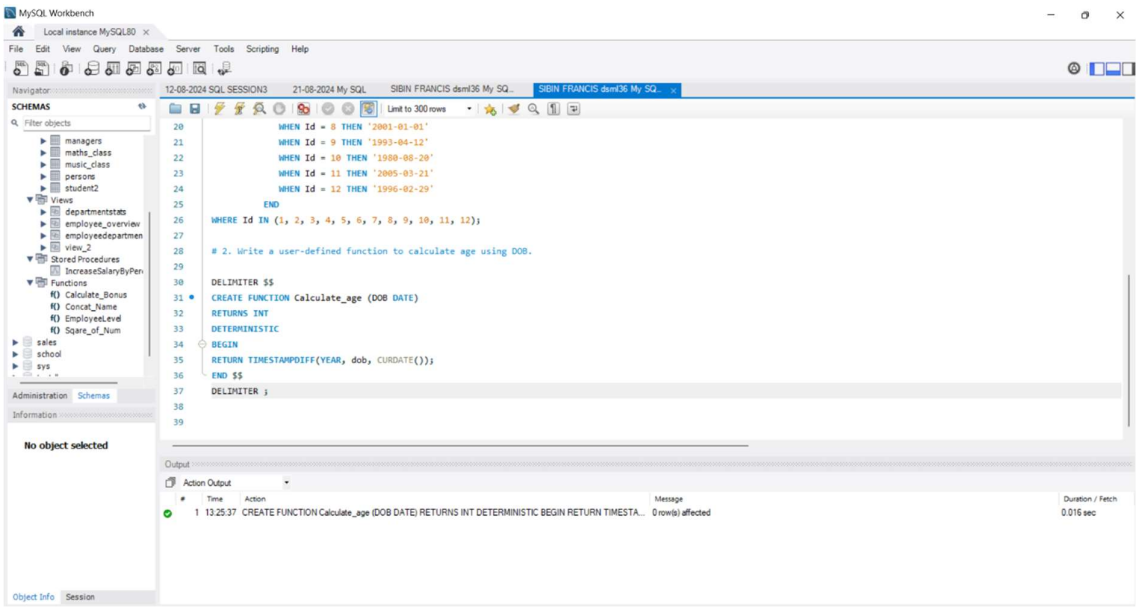
```
# USING COUNTRY TABLE AND PERSON TABLE

SELECT * FROM Country;
SELECT * FROM Persons;

# 1. Add a new column called DOB in Persons table with data type as Date.

ALTER TABLE Persons
ADD DOB DATE;

UPDATE Persons
SET DOB = CASE
            WHEN Id = 1 THEN '1990-05-15'
            WHEN Id = 2 THEN '1985-12-22'
            WHEN Id = 3 THEN '2000-03-10'
            WHEN Id = 4 THEN '1992-07-25'
            WHEN Id = 5 THEN '1988-11-30'
            WHEN Id = 6 THEN '1975-06-18'
            WHEN Id = 7 THEN '1999-09-14'
            WHEN Id = 8 THEN '2001-01-01'
            WHEN Id = 9 THEN '1993-04-12'
            WHEN Id = 10 THEN '1980-08-20'
            WHEN Id = 11 THEN '2005-03-21'
            WHEN Id = 12 THEN '1996-02-29'
          END
WHERE Id IN (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12);
```



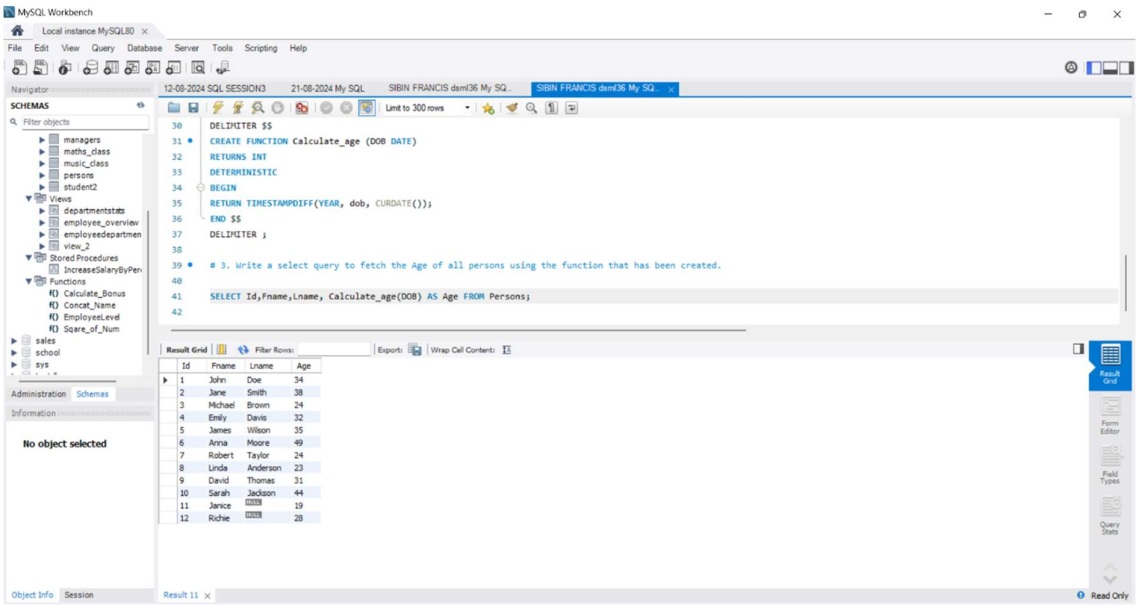
```
            WHEN Id = 4 THEN '1992-07-25'
            WHEN Id = 5 THEN '1988-11-30'
            WHEN Id = 6 THEN '1975-06-18'
            WHEN Id = 7 THEN '1999-09-14'
            WHEN Id = 8 THEN '2001-01-01'
            WHEN Id = 9 THEN '1993-04-12'
            WHEN Id = 10 THEN '1980-08-20'
            WHEN Id = 11 THEN '2005-03-21'
            WHEN Id = 12 THEN '1996-02-29'
          END
WHERE Id IN (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12);
```

Id	Fname	Lname	Population	Rating	Country_Id	Country_name	DOB
1	John	Doe	1000000	4.5	1	USA	1990-05-15
2	Jane	Smith	2000000	4.8	2	India	1985-12-22
3	Michael	Brown	1500000	4.2	3	Canada	2000-03-10
4	Emily	Davis	2500000	3.9	4	Australia	1992-07-25
5	James	Wilson	1800000	4	5	UK	1988-11-30
6	Anna	Moore	1300000	4.6	6	Germany	1975-06-18
7	Robert	Taylor	1700000	3.7	7	France	1999-09-14
8	Linda	Anderson	1400000	4.9	8	Japan	2001-01-01
9	David	Thomas	2100000	3.8	9	Brazil	1993-04-12
10	Sarah	Jackson	1600000	4.3	10	South Africa	1980-08-20
11	Janice	NULL	1200000	4.6	11	UAE	2005-03-21
12	Richie	NULL	2200000	4.9	12	Turkey	1996-02-29
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

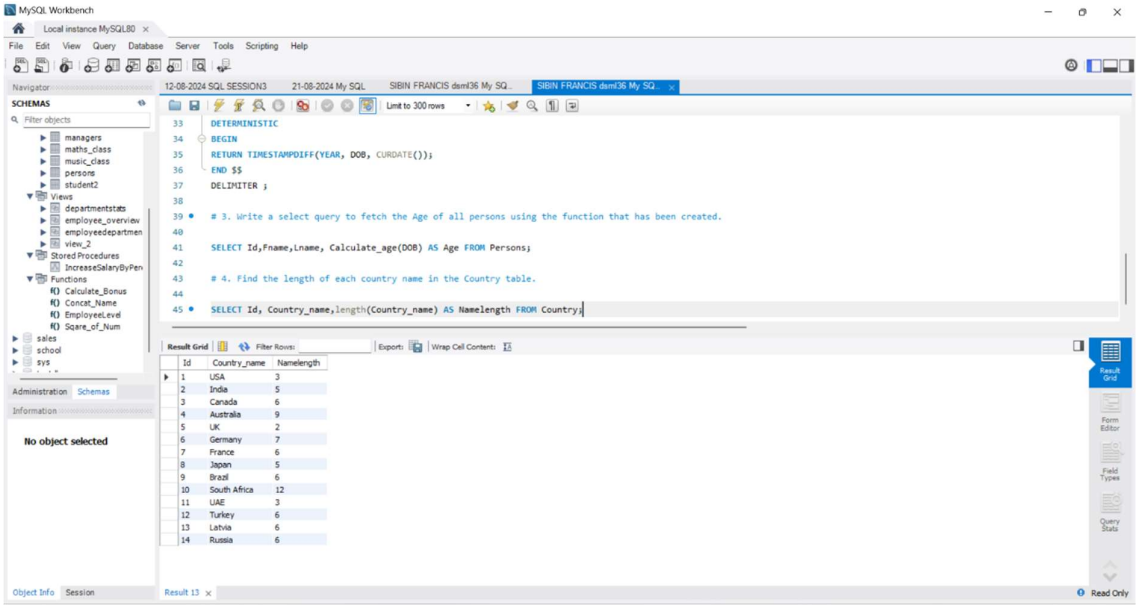
➢ USER-DEFINED FUNCTION TO CALCULATE AGE USING DOB.



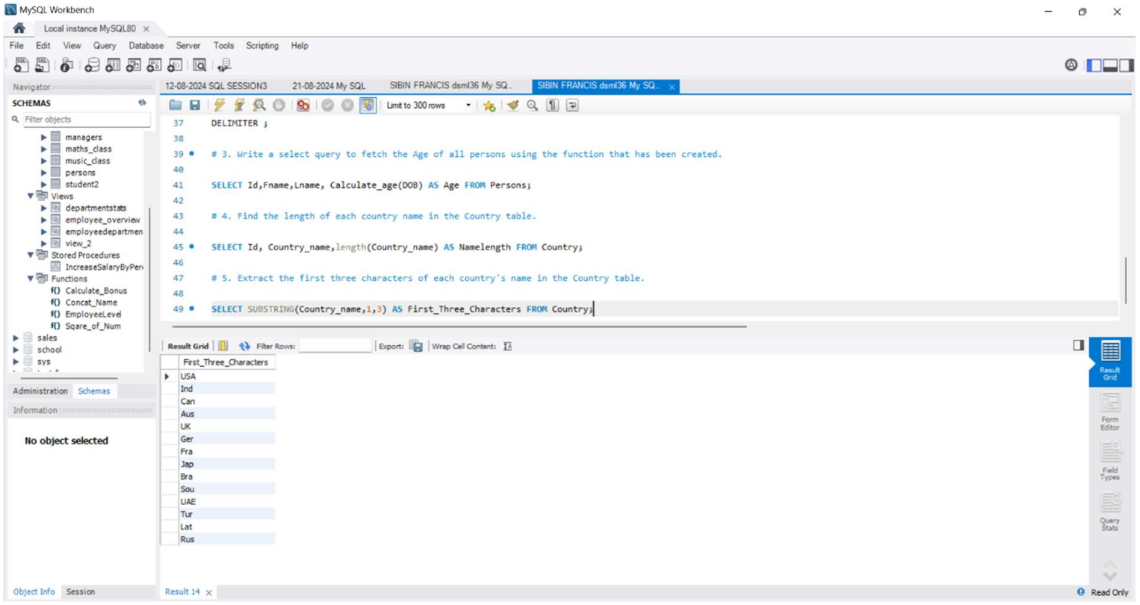
➢ QUERY TO FETCH THE AGE OF ALL PERSONS USING THE FUNCTION THAT HAS BEEN CREATED.



➢ **LENGTH OF EACH COUNTRY NAME IN THE COUNTRY TABLE.**



➢ **EXTRACTED THE FIRST THREE CHARACTERS OF EACH COUNTRY'S NAME IN THE COUNTRY TABLE.**



➢ CONVERT ALL COUNTRY NAMES TO UPPERCASE AND LOWERCASE IN THE COUNTRY TABLE.