Consider the Country table and Persons table that you created earlier and perform the following:

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 =('19&6-07-11') WHERE F_NAME='TINU';

UPDATE PERSONS SET DOB =('19&6-07-10') WHERE F_NAME='KANNAN';

UPDATE PERSONS SET DOB =('19&4-03-11') WHERE F_NAME=MANU;

UPDATE PERSONS SET DOB =('1999-02-10') WHERE F_NAME=SUKANYA;

UPDATE PERSONS SET DOB =('1998-03-12') WHERE F_NAME=ANDREW;

UPDATE PERSONS SET DOB =('1978-01-22') WHERE F_NAME='ANIL'

UPDATE PERSONS SET DOB =('1977-03-22') WHERE F_NAME='SIMILY';

UPDATE PERSONS SET DOB =('1975-05-16') WHERE F_NAME='ABDUL';

UPDATE PERSONS SET DOB =('1980-03-12') WHERE F_NAME='ROBERT';

UPDATE PERSONS SET DOB =('1980-03-22') WHERE F_NAME='SUKVINDER';

UPDATE PERSONS SET DOB =('1985-04-12') WHERE F_NAME='JALEEL';
```

UPDATE PERSONS SET DOB =(2000-12-17') WHERE F_NAME=MANOJ;

```
1 • use entri_d41;
  2 • SET SQL_SAFE_UPDATES = 0;
  3 •
        ALTER TABLE persons ADD DOB date;
  4 .
         UPDATE persons SET DOB =('1986-07-12') WHERE f_name='tinu';
         UPDATE persons SET DOB =('1986-07-10') WHERE f_name='kannan';
         UPDATE persons SET DOB =('1985-04-10') WHERE f_name='MANU';
  7 .
        UPDATE persons SET DOB =('1999-02-11') WHERE f_name = 'sukanya';
        UPDATE persons SET DOB =('1998-03-12') WHERE f_name = 'andrew';
  8 .
  9 • UPDATE persons SET DOB =('1978-01-22') WHERE f name = 'anil';
 10 • UPDATE persons SET DOB =('1977-03-22') WHERE f_name = 'simily';
 11 • UPDATE persons SET DOB =('1975-05-16') WHERE f_name = 'abdul';
 12 • UPDATE persons SET DOB =('1980-03-12') WHERE f_name = 'robert';
 13 • UPDATE persons SET DOB =('1980-03-22') WHERE f_name = 'sukvinder';
 14 • UPDATE persons SET DOB =('1985-04-12') WHERE f_name = 'jaleel';
 15 • UPDATE persons SET DOB =('2000-12-17') WHERE f_name = 'manoj';
 16
 17
Output :
Action Output
                                                                                                  Message
    7 18:04:35 UPDATE persons SET DOB =(1999-02-11) WHEREf_name = 'sukanya'
                                                                                                 Error Code: 1292. Incorrect date value: '1986' for column 'DOB' at row 4
8 18:06:00 UPDATE persons SET DOB =('1999-02-11') WHEREf_name = 'sukanya'
                                                                                                 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
    9 18:06:04 UPDATE persons SET DOB =('1998-03-12') WHEREf_name = 'andrew'
                                                                                                 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
10 18:07:18 UPDATE persons SET DOB =(1978-01-22) WHEREf_name = 'anil'
                                                                                                 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
11 18:07:21 UPDATE persons SET DOB =('1977-03-22') WHEREf_name = 'simily'
                                                                                                 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
12 18:07:24 UPDATE persons SET DOB =('1975-05-16') WHEREf_name = 'abdul'
                                                                                                 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
   13 18:07:27 UPDATE persons SET DOB =("1980-03-12") WHERE f name = 'robert'
                                                                                                 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
14 18:07:30 UPDATE persons SET DOB =('1980-03-22') WHEREf_name = 'sukvinder'
                                                                                                 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
```

1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

15 18:07:33 UPDATE persons SET DOB =(1985-04-12) WHEREf name = |aleel

2. Write a user-defined function to calculate age using DOB.

```
DELIMITER $$

CREATE FUNCTION CUSTOMER_AGE(DOB DATE)

RETURNS INT

DETERMINISTIC

BEGIN

DECLARE AGE INT;

SET AGE = YEAR(CURDATE())-YEAR(DOB);

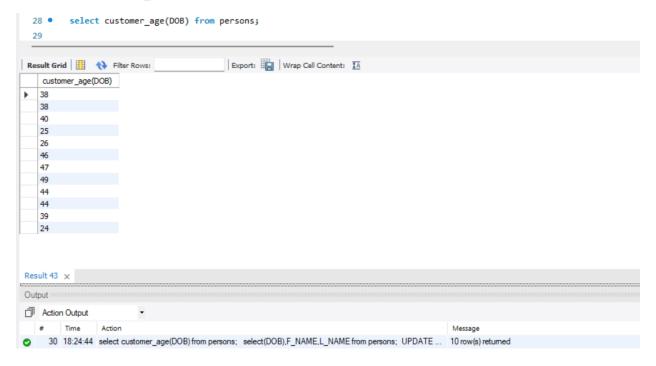
RETURN AGE;

END $$
```

```
DELIMITER $$
  18
  19 •
         Create function customer_age(DOB date)
  20
          returns int
          DETERMINISTIC
  21
  22 ⊝ Begin
  23
             Declare age int;
  24
              Set AGE = year(curdate())-year(DOB);
              Return age;
  25
        End $$
  26
  27
  28
  29
Output :
Action Output
       Time
                 Action
                                                                                                Message
      1 18:22:11 Create function customer_age(DOB date) returns int DETERMINISTIC Begin Declare age int; Set A... 0 row(s) affected
```

3. Write a select query to fetch the Age of all persons using the function that has been created.

SELECT CUSTOMER_AGE(DOB) FROM PERSONS;



4. Find the length of each country name in the Country table.

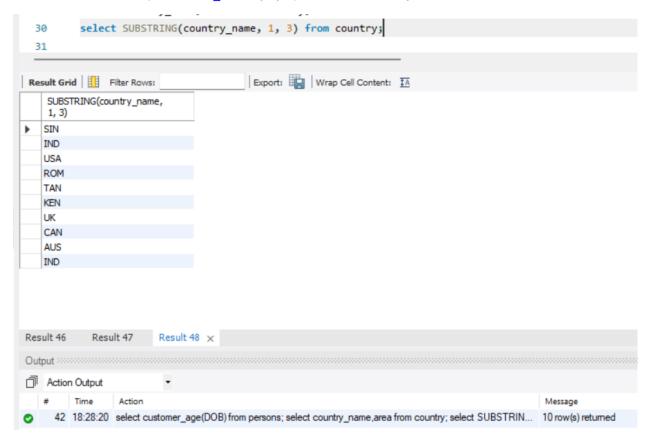
SELECT COUNTRY_NAME, AREA FROM COUNTRY;





5. Extract the first three characters of each country's name in the Country table.

SELECT SUBSTRING(COUNTRY_NAME, 1, 3) FROM COUNTRY;



6. Convert all country names to uppercase and lowercase in the Country table.

SELECT UPPER(COUNTRY_NAME) AS UPPERCASE_COUNTRY FROM COUNTRY;

