Task 5 - User defined Functions & Joins

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.  
2. Write a user-defined function to calculate age using DOB.  
3. Write a select query to fetch the Age of all persons using the function that has been created.  
4. Perform inner join, Left join, and Right join on the tables

use country;

-- Adding DOB column

ALTER TABLE Persons

ADD DOB DATE;

select \*from Persons;

-- Creating function to calculate age

delimiter #

create function age(dob date)

returns int

deterministic

begin

declare age int;

set age=timestampdiff(year,dob,curdate());

return age ;

end #

delimiter ;

select \*from Persons;

-- Fetching age of all persons

SELECT Id, Fname, Lname, DOB, age(dob) AS Age

FROM Persons;

SELECT Persons.Id, Persons.Fname, Persons.Lname, Country.Country\_name

FROM Persons

INNER JOIN Country ON Persons.Country\_Id = Country.Id;

SELECT Persons.Id, Persons.Fname, Persons.Lname, Country.Country\_name

FROM Persons

LEFT JOIN Country ON Persons.Country\_Id = Country.Id;

SELECT Persons.Id, Persons.Fname, Persons.Lname, Country.Country\_name

FROM Persons

LEFT JOIN Country ON Persons.Country\_Id = Country.Id;

SELECT LEFT(Country\_name, 3) AS ShortName FROM Country;







