MySQL Assignment 7

Functions

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

alter table persons add DOB date;

desc persons;

select \* from persons;

update persons set dob = '1993-10-25' where id = 1;

update persons set dob = '1992-10-25' where id = 2;

update persons set dob = '1991-10-25' where id = 3;

update persons set dob = '1990-10-25' where id = 4;

update persons set dob = '1994-10-25' where id = 5;

update persons set dob = '1995-10-25' where id = 6;

update persons set dob = '1996-10-25' where id = 7;

update persons set dob = '1998-10-25' where id = 8;

update persons set dob = '1983-10-25' where id = 9;

update persons set dob = '1984-10-25' where id = 10;

update persons set dob = '1985-10-25' where id = 11;

update persons set dob = '1986-10-25' where id = 12;

update persons set dob = '1987-10-25' where id = 13;

update persons set dob = '1988-10-25' where id = 14;

update persons set dob = '1989-10-25' where id = 15;

update persons set dob = '1973-10-25' where id = 16;

update persons set dob = '1974-10-25' where id = 17;

update persons set dob = '1975-10-25' where id = 18;

update persons set dob = '1976-10-25' where id = 20;

update persons set dob = '1977-10-25' where id = 21;

update persons set dob = '1978-10-25' where id = 22;

update persons set dob = '1979-10-25' where id = 23;

update persons set dob = '1980-10-25' where id = 24;

update persons set dob = '1969-10-25' where id = 25;

update persons set dob = '1968-10-25' where id = 26;

update persons set dob = '1967-10-25' where id = 27;

update persons set dob = '1966-10-25' where id = 28;

update persons set dob = '1954-10-25' where id = 19;

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

delimiter //

create function CalculateAge(dob date)

returns int

deterministic

begin

declare age int;

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

return age;

end //

delimiter ;

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

select fname, lname, calculateage(dob) as Age from persons;

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

select id, length(country\_name) as Length from country;

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

select ID, left(country\_name, 3) as Nation from country;

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

select id, upper(country\_name) as Upper, lower(country\_name) as Lower from country;

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