**p5**

use pandemic;

drop function if exists CalculateYearDiff;

DELIMITER //

create function CalculateYearDiff(input\_year INT)

returns int

no sql

begin

declare year\_start date;

declare cur\_date date;

declare year\_diff int;

set year\_start = CONCAT(input\_year, '-01-01');

set cur\_date = CURDATE();

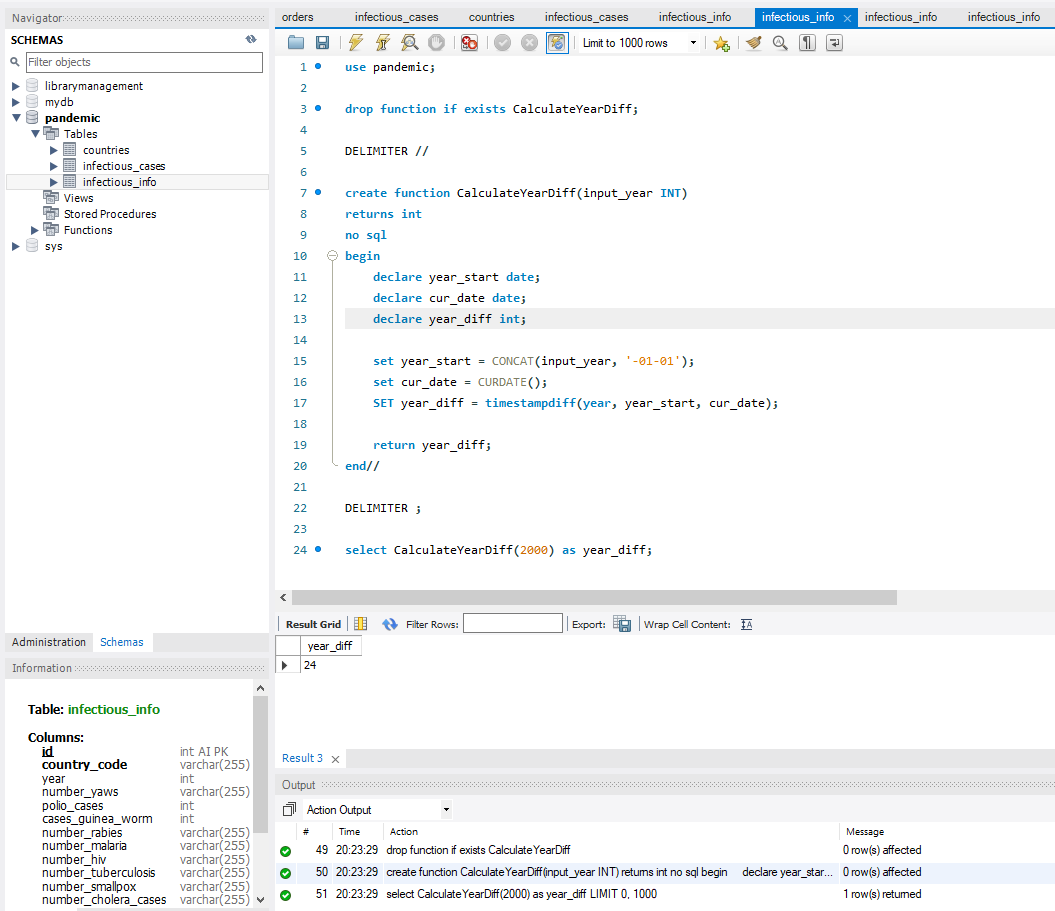
SET year\_diff = timestampdiff(year, year\_start, cur\_date);

return year\_diff;

end//

DELIMITER ;

select CalculateYearDiff(2000) as year\_diff;



💡

use pandemic;

drop function if exists CountInfectious;

DELIMITER //

create function CountInfectious(total INT, period INT)

returns decimal(10, 2)

deterministic

no sql

reads sql data

begin

declare result decimal(10, 2);

if total != '' then

set result = total / period;

else

set result = 0;

end if;

return result;

end//

DELIMITER ;

select

CountInfectious(CAST(number\_rabies as decimal), 12) as avg\_per\_month,

CountInfectious(CAST(number\_rabies as decimal), 4) as avg\_per\_quarter,

CountInfectious(CAST(number\_rabies as decimal), 2) as avg\_per\_half\_year

from infectious\_info

where number\_rabies != '';

