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/*-- Q1 Write a program that computes the perimeter and the area of a rectangle. Define
your own values for the length and width. (Assuming that L and W are the length
and width of the rectangle, Perimeter = 2*(L+W) and Area = L*W. */
CREATE TABLE area
(
len float,
breadth float,
area float,
perimeter float);
delimiter //
create procedure area(x float,y float)
begin
declare area float;
declare perimeter float;
set area =x*y;
set perimeter=2*(x+y);
insert into area values(x,y,area,perimeter);
end;//
delimiter;
call area(5,7);
select * from area;
/*2. Write a program that declares an integer variable called num, assigns a value to it,
and computes and inserts into the tempp table the value of the variable itself, its
square, and its cube.*/
create table num
num float,
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square float,

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cubeno float
);
drop table num;
delimiter //
create function square(x float )
returns float
deterministic
begin
return pow(x,2);
end;//
delimiter;
delimiter //
create function cube1(x float )
returns float
deterministic
begin
return pow(x,3);
end;//
delimiter;
delimiter //
create procedure num( x float)
begin
declare sq float;
declare cub float;
set sq=square(x);
set cub=cube1(x);
insert into num values (x,sq,cub);
end;// delimiter;
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call num(5);
select * from num;
/*q3 Convert a temperature in Fahrenheit (F) to its equivalent in Celsius (C) and vice
versa. The required formulae are:- C= (F-32)*5/9 */
create table temp
(
cel float,
fehrenheit float);
delimiter //
create function temp(x float)
returns float
deterministic
begin
declare c float;
set c= (x-32)* (5/9);
return c;
end ;//
delimiter;
delimiter //
create procedure temp(x float)
begin
declare s float;
set s=temp(x);
insert into temp values(s,x);
end;//
delimiter;
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call temp(32);
select * from temp;
/* q4 Convert a number of inches into yards, feet, and inches. For example, 124 inches
equals 3 yards, 1 foot, and 4 inches */
create table len
inch float,
yard float,
foot float
);
delimiter //
create function yard(x float)
returns float
deterministic
begin
return x/36;
end;//
delimiter;
delimiter //
create function foot( x float)
returns float
deterministic
begin
return x/12;
end;//
delimiter;
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create procedure inch( x float)
begin
declare yard float;
declare foot float;
set yard=yard(x);
set foot=foot(x);
insert into len values (x,yard,foot);
end;//
delimiter;
call inch(124);
select * from len;
/* q5 Write a program that enables a user to input an integer. The program should then
state whether the integer is evenly divisible by 5. */
create table intege(
no int,
result boolean
);
delimiter //
create function five(x int)
returns boolean
deterministic
begin
if mod(x,5)=0 then
return true;
else
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delimiter //

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return false;
end if;
end;//
delimiter;
delimiter //
create procedure no (x int)
begin
declare s boolean;
set s=five(x);
insert into intege values (x,s);
end;//
delimiter;
call no(15);
call no(44);
select * from intege;
/* q6 \, . Your block should read in two real numbers and tell whether the product of the two
numbers is equal to or greater than 100. */
create table real1
(
x float,
y float,
product float,
result varchar(50)
);
delimiter //
create function real1(x float,y float)
returns varchar(50)
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deterministic
begin
declare pro float;
set pro=x*y;
if pro > 100 then
return "greater than 100 ";
elseif pro =100 then
return "equal to 100";
else
return "not greater";
end if;
end; //
delimiter;
delimiter //
create procedure real1(x float,y float)
begin
declare s varchar(50);
declare q float;
set q = x * y;
set s=real1(x,y);
insert into real1 values (x,y,q,s);
end;//
delimiter;
call real1(5,10);
call real1(14,10);
call real1(10,10);
select * from real1;
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