delimiter //  
create function business\_Rule (viewing picklist(restaurant, driver),filter\_Target picklist(name, rating), filter\_Type picklist(ascending, descending) returns rating\_Table  
deterministic  
begin

given driver\_id

given resturant\_id  
declare viewing picklist(restaurant, driver);

declare filter\_Target picklist(name, rating);

declare filter\_Type picklist(ascending, descending);

if viewing = "restaurant" and filter\_Target = name and filter\_Type = “ascending” then

SELECT name, rating, Satisfaction, experience

FROM ratings\_Resturant\_Table

WHERE ratings\_Resturant\_Table.id = resturant\_id

ORDER BY name ASC

elseif viewing = "restaurant" and filter\_Target = name and filter\_Type = “descending” then

SELECT name, rating, satisfaction, experience

FROM ratings\_Resturant\_Table

WHERE ratings\_Resturant\_Table.id = resturant\_id

ORDER BY name DESC

elseif viewing = "restaurant" and filter\_Target = rating and filter\_Type = “ascending” then

SELECT name, rating, satisfaction, experience

FROM ratings\_Resturant\_Table

WHERE ratings\_Resturant\_Table.id = resturant\_id

ORDER BY rating ASC

elseif viewing = "restaurant" and filter\_Target = rating and filter\_Type = “descending” then

SELECT rating,\_satisfaction, experience

FROM ratings\_Resturant\_Table

WHERE ratings\_Resturant\_Table.id = resturant\_id

ORDER BY rating DESC

elseif viewing = "driver" and filter\_Target = name and filter\_Type = “ascending” then

SELECT name, rating,\_Satisfaction, experience

FROM ratings\_driver\_Table

WHERE ratings\_Resturant\_Table.id = driver\_id

ORDER BY name ASC

elseif viewing = "driver" and filter\_Target = name and filter\_Type = “descending” then

SELECT name, rating, satisfaction, experience

FROM ratings\_driver\_Table

WHERE ratings\_Resturant\_Table.id = driver\_id

ORDER BY name DESC

elseif viewing = "driver" and filter\_Target = rating and filter\_Type = “ascending” then

SELECT name, rating, satisfaction, experience

FROM ratings\_driver\_Table

WHERE ratings\_Resturant\_Table.id = driver\_id

ORDER BY rating ASC

elseif viewing = "driver" and filter\_Target = rating and filter\_Type = “descending” then

SELECT name, rating, satisfaction, experience

FROM ratings\_driver\_Table

WHERE ratings\_Resturant\_Table.id = driver\_id

ORDER BY rating DESC

ELSE

SELECT name, rating, satisfaction, experience

FROM ratings\_Resturant\_Table,   
end  
//  
delimiter ;