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PL/SQL task –1

Date: 19-11-2024

Procedure and Function

1) Procedure:

SQL commends:

create database Mumbai;

use mumbai;

create table mumbai_office(Emp_Id int, Emp_name varchar(50),Emp_salary
int,Emp_age int);

insert into mumbai_office(Emp_Id,Emp_name,Emp_salary,Emp_age)values
(5,"Sree Ganesh",55000,23);

insert into mumbai_office(Emp_Id,Emp_name,Emp_salary,Emp_age)values
(1,"Arun Kumar",57000,24);

insert into mumbai_office(Emp_Id,Emp_name,Emp_salary,Emp_age)values (2,"Raj
Kumar",45000,25);

insert into mumbai_office(Emp_Id,Emp_name,Emp_salary,Emp_age)values
(3,"Rohit sharma",95000,23);

insert into mumbai_office(Emp_Id,Emp_name,Emp_salary,Emp_age)values
(4,"Naveen",25000,22);

insert into mumbai_office(Emp_Id,Emp_name,Emp_salary,Emp_age)values
(7,"Ganesh",45000,24);

insert into mumbai_office(Emp_Id,Emp_name,Emp_salary,Emp_age)values
(6,"Praveen",65000,26);

select* from mumbai_office

where Emp_Id=5;

DELIMITER //

Create procedure get_employee_details(in id int, out name varchar(50), out salary int)

Begin

select Emp_name, Emp_salary

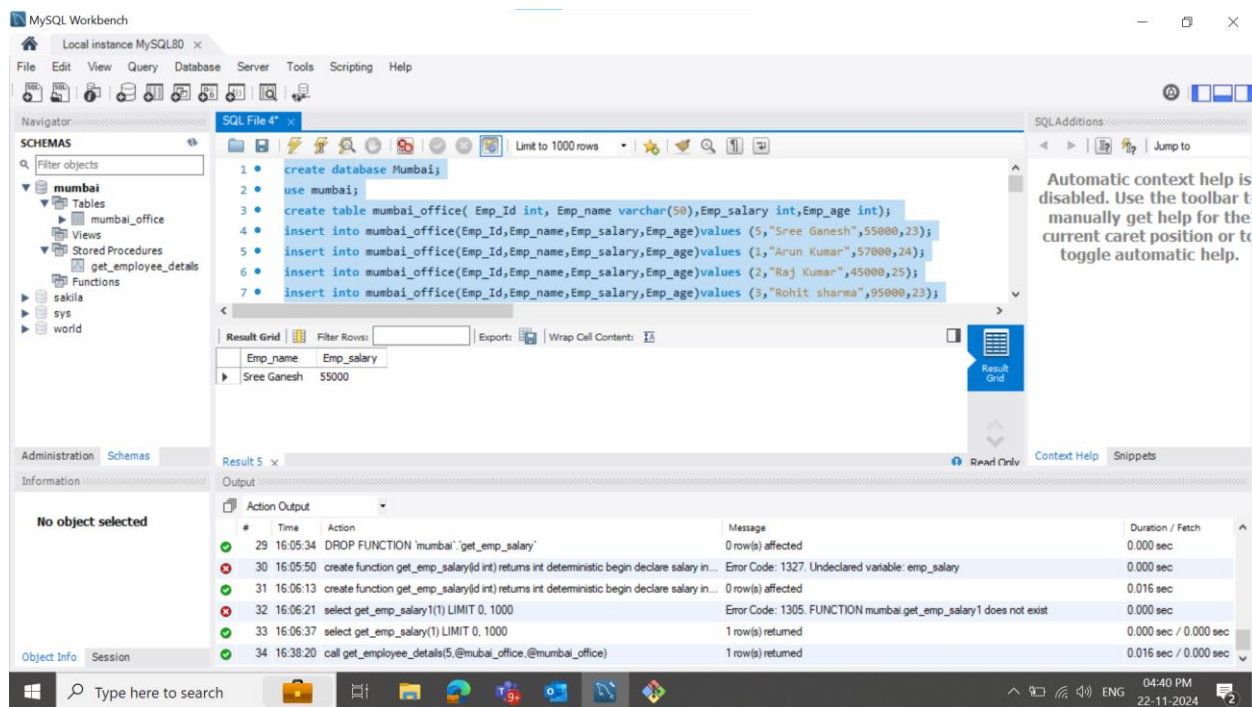
from mumbai_office

where Emp_Id=id;

end//

call get_employee_details(5,@mubai_office,@mumbai_office);

Screenshot:



2) Function:

DELIMITER //

create function

get_emp_salary(id int)

```
returns int
deterministic
begin
declare salary int;
select Emp_salary
into salary
from mumbai_office
where Emp_Id=id;
RETURN salary;
end;

select get_emp_salary(1);
select * from mumbai_office;
```

Screenshot:

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

mumbai

Tables

mumbai_office

Views

Stored Procedures

get_employee_details

Functions

sakila

sys

world

SQL File:4 x

```
35 into salary
36 from mumbai_office
37 where Emp_Id=id;
38 RETURN salary;
39 end;
40
41 select * from mumbai_office;
```

Result Grid

Filter Rows: | Export: | Wrap Cell Contents: |

get_emp_salary(1)

57000

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Administration Schemas

Information

No object selected

Output

#	Time	Action	Message	Duration / Fetch
31	16:06:13	create function get_emp_salary(id int) returns int deterministic begin declare salary in...	0 row(s) affected	0.016 sec
32	16:06:21	select get_emp_salary(1) LIMIT 0, 1000	Error Code: 1305. FUNCTION mumbai.get_emp_salary1 does not exist	0.000 sec
33	16:06:37	select get_emp_salary(1) LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
34	16:38:20	call get_employee_details(5,@mumbai_office,@mumbai_office)	1 row(s) returned	0.016 sec / 0.000 sec
35	16:45:01	call get_employee_details(5,@mumbai_office,@mumbai_office)	1 row(s) returned	0.000 sec / 0.000 sec
36	16:45:10	select get_emp_salary(1) LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Type here to search

04:45 PM 22-11-2024