

Queries Discussed on 12-05-2021

1) Stored procedure: -

We discussed this enough in class about this, sharing code and links:-

```
CREATE PROCEDURE get_emp()  
BEGIN  
SELECT * FROM employees WHERE salary > 70;  
SELECT COUNT(id) AS Total_emp FROM orders;  
END &&
```

```
CALL get_emp();
```

LINKS:-

<https://dev.mysql.com/doc/connector-net/en/connector-net-tutorials-stored-procedures.html>

<https://dev.mysql.com/doc/refman/8.0/en/create-procedure.html>

<https://www.sqlshack.com/learn-mysql-the-basics-of-mysql-stored-procedures/>

<https://www.mysqltutorial.org/stored-procedures-parameters.aspx>

2) Function Defination:-

```
CREATE FUNCTION hello (s CHAR(20))  
RETURNS CHAR(50) DETERMINISTIC  
RETURN CONCAT('Hello, ',s,'!');
```

Function call:-

```
SELECT hello('world');
```

3) Function Defination:-

```
use demovirtusa;
DELIMITER $$
CREATE FUNCTION Customer_Occupation(
    age int
)
RETURNS VARCHAR(20)
DETERMINISTIC
BEGIN
    DECLARE customer_occupation VARCHAR(20);
    IF age > 35 THEN
        SET customer_occupation = 'Scientist';
    ELSEIF (age <= 35 AND
        age >= 30) THEN
        SET customer_occupation = 'Engineer';
    ELSEIF age < 30 THEN
        SET customer_occupation = 'Actor';
    END IF;
    -- return the customer occupation
    RETURN (customer_occupation);
END$$
DELIMITER ;
```

Data for function:-

```
create table custdetail (id int,name varchar(50),age int);
insert into custdetail values(1,'bhavi',18);
insert into custdetail values(2,'sonu',20);
```

Function call

```
select name,age,Customer_Occupation(age) from custdetail order by age;
```

4) Function defination

```
use demovirtusa;
DELIMITER $$
CREATE FUNCTION SalaryAnalysis(
    sal int
)
RETURNS VARCHAR(20)
DETERMINISTIC
BEGIN
    DECLARE review VARCHAR(20);
    CASE when sal>400 then SET review = "Good";
         when sal<400 then SET review="very";
         when sal=400 then SET review="best";
    END CASE;
    RETURN (review);
END$$
```

Function call

```
select emp_id,emp_name,salary,SalaryAnalysis(salary) from employees;
```