1)

use lib;

DELIMITER &&

create procedure get\_User()

BEGIN

declare S int default 101;

case S

when 101 then select 'A';

when 102 then select 'B';

when 103 then select 'C';

else select 'No such 'D';

begin

end

end case;

END&&

call get\_User();

2)

use demo

DELIMITER &&

create procedure getemployee()

BEGIN

DECLARE

sal\_count INTEGER;

SELECT \* FROM employee WHERE salary> 500;

SELECT COUNT(salary) AS sal\_count FROM employee;

END&&

call getemployee();

3)

CREATE OR REPLACE PROCEDURE emp\_salary\_increase (emp\_id IN emptbl.empID%type, salary\_inc IN OUT emptbl.salary%type)

IS tmp\_sal number;

BEGIN

SELECT salary INTO tmp\_sal FROM emp\_tbl WHERE empID = emp\_id;

IF tmp\_sal between 100 and 200 THEN

salary\_inout := tmp\_sal \* 1.2;

ELSIF tmp\_sal between 200 and 300 THEN

salary\_inout := tmp\_sal \* 1.3;

ELSIF tmp\_sal > 300 THEN

salary\_inout := tmp\_sal \* 1.4;

END IF;

END;

Call emp\_salary\_increase();

Functions :

1)

use demo

DELIMITER $$

CREATE FUNCTION EmpLevel(sal DECIMAL(10,2))

RETURNS VARCHAR(20)

DETERMINISTIC

BEGIN

DECLARE EmpLevel VARCHAR(20);

IF sal > 500 THEN

SET EmpLevel = 'PLATINUM';

ELSEIF (sal >= 500 AND

sal <= 100) THEN

SET EmpLevel = 'GOLD';

ELSEIF sal < 100 THEN

SET EmpLevel = 'SILVER';

END IF;

-- return the customer level

RETURN (EmpLevel);

END$$

DELIMITER ;

Calling in SQL statement:

SELECT ename, EmpLevel(salary) FROM employee;

Example 2:

use demo

DELIMITER $$

CREATE FUNCTION Emp\_Occupation( mgr int)

RETURNS VARCHAR(20)

DETERMINISTIC

BEGIN

DECLARE emp\_occupation VARCHAR(20);

IF mgr> 300 THEN

SET emp\_occupation = 'Tester';

ELSEIF (mgr <= 200 AND mgr>= 300) THEN

SET emp\_occupation = 'Programmer';

ELSEIF mgr < 100 THEN

SET emp\_occupation = 'Consultant';

END IF;

-- return the customer occupation

RETURN (emp\_occupation);

END$$

Calling in SQL statement:

SELECT ename, mgr, Emp\_Occupation(mgr) FROM employee;

Example 3:

**DELIMITER $$**

**CREATE FUNCTION calcProfit(cost FLOAT, price FLOAT) RETURNS DECIMAL(9,2)**

**BEGIN**

**DECLARE profit DECIMAL(9,2);**

**SET profit = price-cost;**

**RETURN profit;**

**END$$**

**DELIMITER ;**

**SELECT \*, calcProfit(prod\_cost,prod\_price) AS profit FROM products;**