

EXP 9: PROCEDURE ,FUNCTION

```
mysql> DELIMITER $$
mysql>
mysql> CREATE PROCEDURE GetCustomerLevel(
->   in p_customerNumber int(11),
->   out p_customerLevel varchar(10))
-> BEGIN
->   DECLARE creditlim double;
->
->   SELECT creditlimit INTO creditlim
->   FROM customers
->   WHERE customerNumber = p_customerNumber;
->
->   IF creditlim > 50000 THEN
->   SET p_customerLevel = 'PLATINUM';
->   ELSEIF (creditlim <= 50000 AND creditlim >= 10000) THEN
->     SET p_customerLevel = 'GOLD';
->   ELSEIF creditlim < 10000 THEN
->     SET p_customerLevel = 'SILVER';
->   END IF;
->
-> END$$
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> DELIMITER //
mysql> CREATE FUNCTION CustomerLevel(p_CREDITLIMIT INT) RETURNS VARCHAR(10)
-> DETERMINISTIC
-> BEGIN
-> DECLARE lvl VARCHAR(10);
-> IF p_CREDITLIMIT > 50000 THEN
-> SET lvl = 'PLATINUM';
-> ELSEIF (p_CREDITLIMIT <= 50000 AND p_CREDITLIMIT >= 10000) THEN
-> SET lvl = 'GOLD';
-> ELSEIF p_CREDITLIMIT < 10000 THEN
-> SET lvl = 'SILVER';
-> END IF;
-> RETURN (lvl);
-> END
-> //
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> SELECT NAME, CustomerLevel(CREDITLIMIT)
-> FROM CUSTOMER
-> ORDER BY NAME
-> //
```

ERROR 1054 (42S22): Unknown column 'NAME' in 'field list'

```
mysql> SELECT CNAME, CustomerLevel(CREDITLIMIT)
-> FROM CUSTOMER
-> ORDER BY NAME
-> //
```

ERROR 1054 (42S22): Unknown column 'NAME' in 'order clause'

```
mysql> SELECT CNAME, CustomerLevel(CREDITLIMIT) FROM CUSTOMER ORDER BY CNAME//
```

CNAME	CustomerLevel(CREDITLIMIT)
DINESH	GOLD
NAGENDRA	PLATINUM
RAJA	GOLD
RAMU	SILVER

4 rows in set (0.00 sec)