

Subject Code : CSA0540

Subject Name: DBMS (Database for Mobile Systems)

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Ex.no = 16 Create a stored procedure GetCustomerLevel() that accepts two parameters customer number and customer level.

First, it gets the credit limit from the customers table. Then, based on the credit limit, it determines the customer level: PLATINUM , GOLD , an SILVER. The parameter p\_customerlevel stores the level of the customer and is used by the calling program.

```
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)
```