

## EXPERIMENT 16

### HIGH LEVEL PROGRAMMING EXTENSIONS- FUNCTIONS

#### OUT PUT

```
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)
```