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**COURSE: DATABASE MANAGEMENT SYSTEMS FOR DATA ANALYTICS.**

**COURSE CODE: CSA0520.**

Ex:No: 15

# HIGH LEVEL PROGRAMMING EXTENSIONS (FUNCTIONS)

##### Program 1:

Create a function that returns the level of a customer based on credit limit.(Use the IF statement to determine the credit limit).

The table ‘customers’ should have the following attributes: customers(cno , cname, creditlimit)

If credit limit > 50000 then customer\_level = PLATINUM

If credit limit >= 10000 AND credit limit <= 50000 then customer\_level = GOLD If credit limit credit limit < 10000 then customer\_level = SILVER

RECURSION in Mysql Procedures

Mysql version should be >= 5.

Have to set system parameters. This means putting the recursion count limit. SET @@GLOBAL.max\_sp\_recursion\_depth = 255;

SET @@session.max\_sp\_recursion\_depth = 255;

##### OUTPUT;



##### Program 2

Write a recursive MySQL procedure compute the factorial of a number.

##### OUTPUT;



