**Assignment No. 6**

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**Class :** TE-A

**Procedures :**

mysql> delimiter $

mysql> create procedure disp\_class1(in marks int)

->

-> begin

->

-> case

->

-> when marks>=75 then

->

-> select 'distinction';

->

-> when marks>=60 && marks<=74 then

->

-> select 'first class';

->

-> when marks>=51 && marks<60 then

->

-> select 'second class';

->

-> when marks>=40 && marks<50 then

->

-> select 'pass';

->

-> else

->

-> begin

->

-> select 'fail';

->

-> end;

->

-> end case;

->

-> end$

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;

mysql> call disp\_class1(68);

+-------------+

| first class |

+-------------+

| first class |

+-------------+

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> call disp\_class1(43);

+------+

| pass |

+------+

| pass |

+------+

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.02 sec)

mysql> call disp\_class1(84);

+-------------+

| distinction |

+-------------+

| distinction |

+-------------+

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.01 sec)

**Functions :**

mysql> delimiter $

mysql> create function fact(n int)

->

-> returns int

->

-> begin

->

-> declare fact int; declare i int;

->

-> set fact=1; set i=1;

->

-> loop1:loop

->

-> if i>n then

->

-> leave loop1;

->

-> else

->

-> set fact=fact\*i;

->

-> set i=i+1;

->

-> iterate loop1;

->

-> end if;

->

-> end loop;

->

-> return fact;

->

-> end

-> $

Query OK, 0 rows affected (0.02 sec)

mysql> delimiter ;

mysql> select fact(9);

+---------+

| fact(9) |

+---------+

| 362880 |

+---------+

1 row in set (0.00 sec)

mysql> create table customer(custname varchar(20),creditlimit double);

Query OK, 0 rows affected (0.00 sec)

mysql> insert into customer values("Charlie",9000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into customer values("Mac",45000);

Query OK, 1 row affected (0.00 sec)

mysql> insert into customer values("Dennis",75000);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from customer;

+----------+-------------+

| custname | creditlimit |

+----------+-------------+

| Charlie | 9000 |

| Mac | 45000 |

| Dennis | 75000 |

+----------+-------------+

3 rows in set (0.00 sec)

mysql> Create function customerlevel (creditlimit double) returns varchar(10)

->

-> Deterministic

->

-> Begin

->

-> Declare lvl varchar(10);

->

-> If creditlimit > 50000 then

->

-> SET lvl="Platinum" ;

->

-> Elseif (creditlimit <=50000 And creditlimit >=10000) then

->

-> SET lvl ="Gold" ;

->

-> Elseif creditlimit <10000 then

->

-> SET lvl="Silver";

->

-> End if;

->

-> return lvl;

->

-> End

-> $

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;

mysql> select custname,customerlevel(creditlimit) from customer;

+----------+----------------------------+

| custname | customerlevel(creditlimit) |

+----------+----------------------------+

| Charlie | Silver |

| Mac | Gold |

| Dennis | Platinum |

+----------+----------------------------+

3 rows in set (0.00 sec)