Assignment __

1) First Example

```
mysql> create procedure CONNAMSAL()
    -> begin
    -> declare ename varchar(100);
    -> declare esalary integer(10);
    -> declare v_finished integer default 0;
    -> declare c1 cursor for select NAME, SALARY from EMPLOYEE;
    -> declare continue handler for NOT FOUND set v_finished=1;
    -> open c1;
    -> get_emp:LOOP
    -> fetch c1 into ename,esalary; if v_finished=1 then
    -> leave get_emp; end if;
    -> select concat(ename,esalary); end loop get_emp;
    -> close c1;
    -> end $
Query OK, 0 rows affected (0.05 sec)

mysql> call CONNAMSAL()$
+-----------------------+
| concat(ename,esalary) |
+-----------------------+
| SHREYAS10000          |
+-----------------------+
1 row in set (0.00 sec)

+-----------------------+
| concat(ename,esalary) |
+-----------------------+
| PIYUSH20000           |
+-----------------------+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)
```

2) Second Example

```
mysql> SELECT * FROM EMPLOYEE$
+------+--------+--------+--------+-------+
| ID   | MARKS1 | MARKS2 | MARKS3 | GRADE |
+------+--------+--------+--------+-------+
|    1 |     50 |     50 |     50 | NULL  |
|    2 |     60 |     62 |     63 | NULL  |
|    1 |     65 |     70 |     75 | NULL  |
|    3 |     90 |     90 |     95 | NULL  |
|    4 |     80 |     80 |     85 | NULL  |
+------+--------+--------+--------+-------+
5 rows in set (0.00 sec)

mysql> create procedure grade2()
    ->         begin
    ->         declare
    ->         eid,m1,m2,m3 int;
    ->         declare avgl float;
    ->         declare finished int default 0;
    ->         declare c1 cursor for select ID,MARKS1,MARKS2,MARKS3 from EMPLOYEE;
    ->         declare continue handler for not found set finished=1;
    ->         open c1;
    ->         l4:loop fetch c1 into eid,m1,m2,m3;
    ->         if(finished=1)
    ->         then
    -> leave l4;
```

```
    -> end if;
    -> set avgl = (m1+m2+m3)/3;
    -> if(avgl>=80)
    -> then
    -> update EMPLOYEE set grade='a' where eid=id;
    -> else if(avgl>=60 and avgl<80)
    -> then
    -> update EMPLOYEE set grade='b' where eid=id;
    -> else if(avgl>=40 and avgl<60)
    -> then
    -> update EMPLOYEE set  grade='c' where eid=id;
    -> else
    ->         update EMPLOYEE set grade='f' where eid=id;
    -> end if;
    -> end if;
    -> end if;
    -> end loop;
    -> close c1;
    -> end;
    -> $
Query OK, 0 rows affected (0.00 sec)

mysql> call grade2()$
Query OK, 0 rows affected (0.20 sec)

mysql> select * from EMPLOYEE$
+------+--------+--------+--------+-------+
| ID   | MARKS1 | MARKS2 | MARKS3 | GRADE |
+------+--------+--------+--------+-------+
|    1 |     50 |     50 |     50 | b     |
|    2 |     60 |     62 |     63 | b     |
|    1 |     65 |     70 |     75 | b     |
|    3 |     90 |     90 |     95 | a     |
|    4 |     80 |     80 |     85 | a     |
+------+--------+--------+--------+-------+
5 rows in set (0.00 sec)
```

3) Third Example

```
mysql> create procedure stat()
    -> begin
    -> declare id,sal int;
    -> declare finished int default 0;
    -> declare c2 cursor for select cid,salary from customer;
    -> declare continue handler for not found set finished=1;
    -> open c2;
    -> l1:loop fetch c2 into id,sal;
    -> if(finished=1)
    -> then leave l1;
    -> end if;
    -> if(sal>=60000)
    -> then update customer set status='platinum' where cid=id;
    -> else if(sal>=40000 and sal<60000)
    -> then update customer set status='gold' where cid=id;
    -> else if(sal<40000 and sal>=10000)
    -> then update customer set status='silver' where cid=id;
    -> end if;
    -> end if;
    -> end if;
    -> end loop;
    -> close c2;
    -> end;
    -> $$
```

```
Query OK, 0 rows affected (0.17 sec)

mysql> select * from customer;
    -> $$
+-----+-------------+--------+--------+
| cid | cname       | salary | status |
+-----+-------------+--------+--------+
|   1 | shweta      |  98000 | NULL   |
|   2 | mahi        |  10000 | NULL   |
|   3 | bhagyashree |  75000 | NULL   |
|   4 | mitesh      |  67000 | NULL   |
|   5 | sarika      |  15000 | NULL   |
|   6 | sushila     |  45000 | NULL   |
|   7 | reshma      |  65000 | NULL   |
|   8 | pratibha    |  99000 | NULL   |
+-----+-------------+--------+--------+
8 rows in set (0.00 sec)

mysql> call stat$$
Query OK, 0 rows affected, 1 warning (0.24 sec)

mysql> select * from customer;
    -> $$
+-----+-------------+--------+----------+
| cid | cname       | salary | status   |
+-----+-------------+--------+----------+
|   1 | shweta      |  98000 | platinum |
|   2 | mahi        |  10000 | silver   |
|   3 | bhagyashree |  75000 | platinum |
|   4 | mitesh      |  67000 | platinum |
|   5 | sarika      |  15000 | silver   |
|   6 | sushila     |  45000 | gold     |
|   7 | reshma      |  65000 | platinum |
|   8 | pratibha    |  99000 | platinum |
+-----+-------------+--------+----------+
8 rows in set (0.00 sec
```