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# **DBMS LAB – 07**

#### **QUESTION 1:**

Q1:

```
mysql> delimiter //
mysql> create procedure q1(in str varchar(10),in str1 varchar(25),in bal int(10))
    -> begin
    -> insert into account values(str,str1,bal);
    -> select * from account;
    -> end //
Query OK, 0 rows affected, 1 warning (0.01 sec)
```

O3:

```
mysql> DELIMITER //
mysql> create procedure addmul(in a int, in b int)
    -> begin
    -> select a+b as Sum;
    -> select a*b as Product;
    -> end //
Query OK, 0 rows affected (0.03 sec)
mysql> delimiter;
    -> delimiter;
    -> ^C
    -> ^C
mysql> delimiter ;
mysql> call addmul(2,3);
 Sum
   5
1 row in set (0.00 sec)
 Product
        6 I
1 row in set (0.01 sec)
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> delimiter //
mysql> create procedure square_root(in a int)
    -> begin
    -> select sqrt(a) as Square_Root;
    -> end //
Query OK, 0 rows affected (0.01 sec)

mysql> delimiter;
mysql> call square_root(64);
+-----+
    | Square_Root |
+-----+
    | 8 |
+------+
1 row in set (0.00 sec)

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

## Q5:

```
mysql> delimiter //
mysql> create procedure str_len(in str varchar(50))
    -> begin
    -> select char_length(str) as String_Length;
    -> end //
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> call str_len('Abhinav');
+-----+
| String_Length |
+-----+
| 7 |
+-----+
1 row in set (0.00 sec)

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

### Q6:

```
mysql> delimiter //
mysql> create procedure question7(in name1 varchar(25),in name2 varchar(25))
    -> begin
    -> update customer
    -> set customername = name1 where customername = name2;
    -> end //
Query OK, 0 rows affected (0.00 sec)
```

#### Q8:

### Q9:

```
mysql> delimiter //
mysql> create procedure q9(in cust_name varchar(200))
    -> begin
    -> declare present varchar(200);
   -> declare absent varchar(200);
   -> declare i int default 0;
   -> set present = "has loan";
   -> set absent ="doesn't have loan";
   -> select count(loan_number) into i from borrower where customer_name=cust_name;
   -> if i>0 then select present;
    -> else select absent;
    -> end if;
    -> end //
Query OK, 0 rows affected (0.00 sec)
mysql> call q9("Adams") //
present
| has loan |
1 row in set (0.00 sec)
Query OK, 0 rows affected (0.01 sec)
mysql> call q9("johny") //
absent
| doesn't have loan |
1 row in set (0.01 sec)
Query OK, 0 rows affected (0.01 sec)
```

## Q10:

```
mysql> delimiter //
mysql> create procedure balance(in a int)
    -> begin
   -> select accountnumber from account relation where balance > a;
    -> end //
Query OK, 0 rows affected (0.01 sec)
mysql> delimiter ;
mysql> call balance(100);
| accountnumber |
 A-101
 A-102
 A-201
 A-215
 A-217
 A-222
 A-305
123
8 rows in set (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
```

#### **QUESTION 2:**

## Q1:

## Q2:

## Q3:

```
mysql> delimiter //
mysql> create procedure NameDeptAge(in dnumb int)
    -> begin
    -> select emp_name,emp_desig,age from employees where emp_dept = dnumb
    -> end//
Query OK, 0 rows affected (0.01 sec)
mysql> call NameDeptAge(100);
emp_name emp_desig age
| Nancy
           FI_MGR
                          27
           FI_ACCOUNT
  Daniel
                           24
  John
            FI_ACCOUNT
                           27
  Ismael
             FI_ACCOUNT
  Jose Manuel | FI_ACCOUNT |
  Luis
             | FI_ACCOUNT | 39 |
6 rows in set (0.00 sec)
Query OK, 0 rows affected (0.07 sec)
```

#### O4:

# Q5:

```
mysql> delimiter //
mysql> create procedure q5(in a int)
   -> begin
   -> select a*a as Square;
   -> end //
Query OK, 0 rows affected (0.00 sec)

mysql> delimiter;
mysql> call q5(5);
+----+
| Square |
+----+
1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)
```