**Assignment 7**

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Write a PL/SQL stored procedure and function.

***Procedures:-***

mysql> select \* from account;

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

| account\_number | branch\_name | balance |

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

| A-01 | Katraj | 106 |

| A-02 | Katraj | 1070 |

| A-03 | Kondhwa | 1059 |

| A-04 | Kondhwa | 2139 |

| A-05 | Katraj | 211 |

| A-08 | Sheoganj | 16585 |

| A-09 | NULL | 544 |

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

7 rows in set (0.00 sec)

mysql> delimiter $$

mysql> create procedure inter()

-> begin

-> update account set balance=CASE

-> when balance>=1000 then

-> balance\*1.07

-> else

-> balance\*1.06

-> end;

-> end;

-> $$

Query OK, 0 rows affected (0.02 sec)

mysql> delimiter ;

mysql> call inter();

Query OK, 7 rows affected (0.13 sec)

mysql> select \* from account;

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

| account\_number | branch\_name | balance |

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

| A-01 | Katraj | 112 |

| A-02 | Katraj | 1145 |

| A-03 | Kondhwa | 1133 |

| A-04 | Kondhwa | 2289 |

| A-05 | Katraj | 224 |

| A-08 | Sheoganj | 17746 |

| A-09 | NULL | 577 |

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

7 rows in set (0.00 sec)

mysql> delimiter $$

mysql> create procedure getbname()

-> begin

-> select \* from branch;

-> end;

-> $$

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;

mysql> call getbname();

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

| branch\_name | branch\_city | assets |

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

| Katraj | Pune | 100000 |

| Kondhwa | Pune | 1000000 |

| Main Market | Sheoganj | 999999 |

| Satara | Satara | 9999 |

| Shrinath | Satara | 99999 |

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

5 rows in set (0.25 sec)

Query OK, 0 rows affected (0.28 sec)

mysql> delimiter $$

mysql> create procedure getcity(in name char(30))

-> begin

-> select branch\_city from branch where branch\_city=name;

-> end;

-> $$

Query OK, 0 rows affected (0.01 sec)

mysql> delimiter ;

mysql> call getcity('Pune');

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

| branch\_city |

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

| Pune |

| Pune |

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

2 rows in set (0.03 sec)

Query OK, 0 rows affected (0.05 sec)

mysql> drop procedure getcity;

Query OK, 0 rows affected (0.09 sec)

***Functions:-***

mysql> select \* from account;

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

| account\_number | branch\_name | balance |

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

| A-01 | Katraj | 100 |

| A-02 | Katraj | 1000 |

| A-03 | Kondhwa | 999 |

| A-04 | Kondhwa | 1999 |

| A-05 | Katraj | 199 |

| A-08 | Sheoganj | 15500 |

| A-09 | NULL | 513 |

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

7 rows in set (0.00 sec)

mysql> delimiter $$

mysql> create function interest()

-> returns TEXT

-> begin

-> update account set balance=CASE

-> WHEN balance>=1000 THEN

-> balance\*1.07

-> else

-> balance\*1.06

-> end;

-> RETURN "Interest Credited!";

-> end;

-> $$

Query OK, 0 rows affected (0.42 sec)

mysql> delimiter ;

mysql> select interest() account;

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

| account |

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

| Interest Credited! |

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

1 row in set (0.25 sec)

mysql> select \* from account;

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

| account\_number | branch\_name | balance |

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

| A-01 | Katraj | 106 |

| A-02 | Katraj | 1070 |

| A-03 | Kondhwa | 1059 |

| A-04 | Kondhwa | 2139 |

| A-05 | Katraj | 211 |

| A-08 | Sheoganj | 16585 |

| A-09 | NULL | 544 |

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

7 rows in set (0.00 sec)

mysql> drop function interest;

Query OK, 0 rows affected (0.09 sec)