// 31139(Durvesh) – Mock Test DBMSL

mysql> create database mock;

Query OK, 1 row affected (0.23 sec)

mysql> use mock

Database changed

mysql> create table customer(cust\_name varchar(30),accno int,balance int,city varchar(30));

Query OK, 0 rows affected (2.23 sec)

mysql> create table loan(loan\_no int, branch\_name varchar(40), amount int);

Query OK, 0 rows affected (0.69 sec)

mysql> create table borrower(cust\_name varchar(30), loan\_no int);

Query OK, 0 rows affected (0.58 sec)

mysql> insert into customer values ("Vedang",1450,3000,"Mumbai");

Query OK, 1 row affected (0.34 sec)

mysql> insert into customer values ("Mihir",1451,1000,"Delhi");

Query OK, 1 row affected (0.23 sec)

mysql> insert into customer values ("Aman",1452,2000,"Pune");

Query OK, 1 row affected (0.10 sec)

mysql> insert into customer values ("Hemang",1453,9000,"Nashik");

Query OK, 1 row affected (0.12 sec)

mysql> insert into customer values ("Mahima",1454,7000,"Pune");

Query OK, 1 row affected (0.10 sec)

mysql> insert into loan values (1,"Pune",1500);

Query OK, 1 row affected (0.20 sec)

mysql> insert into loan values (2,"Mumbai",1000);

Query OK, 1 row affected (0.17 sec)

mysql> insert into loan values (3,"Delhi",500);

Query OK, 1 row affected (0.12 sec)

mysql> insert into loan values (4,"Nashik",0);

Query OK, 1 row affected (0.19 sec)

mysql> insert into loan values (5,"Pune",200);

Query OK, 1 row affected (0.17 sec)

mysql> insert into borrower("Vedang",1);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '"Vedang",1)' at line 1

mysql> insert into borrower values ("Vedang",1);

Query OK, 1 row affected (0.21 sec)

mysql> insert into borrower values ("Mihir",2);

Query OK, 1 row affected (0.27 sec)

mysql> insert into borrower values ("Aman",3);

Query OK, 1 row affected (0.17 sec)

mysql> insert into borrower values ("Hemang",4);

Query OK, 1 row affected (0.24 sec)

mysql> insert into borrower values ("Mahima",5);

Query OK, 1 row affected (0.12 sec)

mysql> delimiter //

mysql> create procedure cred(in loan int,in balance int,out score int)

-> begin

-> if loan/balance=0 then set score=0;

-> elseif loan/balance<0.2 then set score=1;

-> elseif loan/balance<0.4 then set score=2;

-> elseif loan/balance<0.6 then set score=3;

-> elseif loan/balance<0.8 then set score=4;

-> elseif loan/balance<=1 then set score=5;

-> end if;

-> end;

-> //

mysql> create function cred\_score(cust\_name varchar(30)) returns int deterministic

-> begin

-> declare score int;

-> declare bal int;

-> declare loan\_amt int;

-> select customer.balance,loan.amount into bal,loan\_amt from customer join borrower on customer.cust\_name=borrower.cust\_name join loan on borrower.loan\_no=loan.loan\_no where customer.cust\_name=cust\_name;

-> call cred(loan\_amt,bal,@score);

-> return @score;

-> end;

-> //

mysql> select \* from customer;

-> //

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

| cust\_name | accno | balance | city |

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

| Vedang | 1450 | 3000 | Mumbai |

| Mihir | 1451 | 1000 | Delhi |

| Aman | 1452 | 2000 | Pune |

| Hemang | 1453 | 9000 | Nashik |

| Mahima | 1454 | 7000 | Pune |

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

5 rows in set (0.04 sec)

mysql> delimiter ;

mysql> select \* from borrower;

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

| cust\_name | loan\_no |

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

| Vedang | 1 |

| Mihir | 2 |

| Aman | 3 |

| Hemang | 4 |

| Mahima | 5 |

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

5 rows in set (0.04 sec)

mysql> select \* from loan;

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

| loan\_no | branch\_name | amount |

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

| 1 | Pune | 1500 |

| 2 | Mumbai | 1000 |

| 3 | Delhi | 500 |

| 4 | Nashik | 0 |

| 5 | Pune | 200 |

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

5 rows in set (0.04 sec)

mysql> select cred\_score("Hemang");

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

| cred\_score("Hemang") |

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

| 0 |

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

1 row in set (0.00 sec)

mysql> select cred\_score("Mahima");

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

| cred\_score("Mahima") |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> select cred\_score("Aman");

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

| cred\_score("Aman") |

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

| 2 |

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

1 row in set (0.00 sec)

mysql> select cred\_score("Vedang");

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

| cred\_score("Vedang") |

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

| 3 |

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

1 row in set (0.00 sec)

mysql> select cred\_score("Mihir");

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

| cred\_score("Mihir") |

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

| 5 |

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

1 row in set (0.00 sec)

//Outputs:





