

// 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:
```

```
MySQL 8.0 Command Line Client

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;
--> //
Query OK, 0 rows affected (0.15 sec)

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> 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;
--> //
Query OK, 0 rows affected (0.38 sec)

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 8.0 Command Line Client

Query OK, 0 rows affected (0.38 sec)

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") |
+-----+
| 0 |
+-----+
1 row in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client
+----+-----+-----+
| 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)

mysql>
```