

Exercise 6: Cursors

Output:

Scenario 1:

Call the Function:

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following code:

```
1 • USE banksystem;
2
3 • DROP PROCEDURE IF EXISTS GenerateMonthlyStatements;
4 DELIMITER $$
5
6 • CREATE PROCEDURE GenerateMonthlyStatements()
7 BEGIN
8     DECLARE done INT DEFAULT 0;
```

The SQL editor is set to "Limit to 1000 rows". The "Result Grid" shows the output of the execution:

Statement#	Header
159	Statement for Rahul Mehta (5)

The "Output" pane shows the "Action Output" table:

#	Time	Action	Message	Duration / Fetch
159	19:28:17	CALL GenerateMonthlyStatements()	0 row(s) returned	- / 0.000 sec
160	19:28:17	CALL GenerateMonthlyStatements()	1 row(s) returned	- / 0.000 sec

Verifying:

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following code:

```
1 • USE banksystem;
2
3 • DROP PROCEDURE IF EXISTS GenerateMonthlyStatements;
4 DELIMITER $$
5
6 • CREATE PROCEDURE GenerateMonthlyStatements()
7 BEGIN
8     DECLARE done INT DEFAULT 0;
```

The SQL editor is set to "Limit to 1000 rows". The "Result Grid" shows the output of the execution:

Db	Name	Type	Definer	Modified	Created
banksystem	AddNewCustomer	PROCEDURE	root@localhost	2025-06-28 18:08:44	2025-06-28 18:0
banksystem	ApplyInterestDiscount	PROCEDURE	root@localhost	2025-06-28 17:32:49	2025-06-28 17:3
banksystem	GenerateMonthlyStatements	PROCEDURE	root@localhost	2025-06-28 19:27:13	2025-06-28 19:2
banksystem	ProcessMonthlyInterest	PROCEDURE	root@localhost	2025-06-28 18:28:24	2025-06-28 18:2
banksystem	PromoteVIPCcustomers	PROCEDURE	root@localhost	2025-06-28 17:32:56	2025-06-28 17:3
banksystem	RemindDueLoans	PROCEDURE	root@localhost	2025-06-28 17:32:59	2025-06-28 17:3
banksystem	SafeTransferFunds	PROCEDURE	root@localhost	2025-06-28 18:05:46	2025-06-28 18:0
banksystem	TransferFunds	PROCEDURE	root@localhost	2025-06-28 18:05:46	2025-06-28 18:0

The "Output" pane shows the "Action Output" table:

#	Time	Action	Message	Duration / Fetch
160	19:28:17	CALL GenerateMonthlyStatements()	1 row(s) returned	- / 0.000 sec
161	19:30:28	SHOW PROCEDURE STATUS WHERE Db = 'banksystem'	10 row(s) returned	0.015 sec / 0.000 sec