

Exercise 3: Stored Procedures

Output:

Scenario 1:

Savings Account:

The screenshot displays the MySQL Workbench interface. The left sidebar shows the 'SCHEMAS' tree with 'banksystem' expanded, containing tables like 'accounts', 'customers', 'employees', 'loans', and 'transactions'. The main editor window shows a SQL script for a stored procedure named 'ProcessMonthlyInterest'. The script includes comments, a delimiter change, a call to the procedure, and a query to select from the 'Accounts' table where the account type is 'Savings'. Below the script, the 'Result Grid' shows the output of the query, displaying columns: AccountID, CustomerID, AccountType, Balance, and LastModified. The output shows three rows of savings accounts. The bottom panel shows the 'Output' tab with the execution log, indicating that the procedure was called and 3 rows were affected.

```
9  END$$
10
11  DELIMITER ;
12
13  -- Identifying Savings Account
14  SET SQL_SAFE_UPDATES = 0;
15
16  CALL ProcessMonthlyInterest();
17  SELECT * FROM Accounts WHERE AccountType = 'Savings';
18
```

AccountID	CustomerID	AccountType	Balance	LastModified
1	1	Savings	50096.00	2025-06-28
3	3	Savings	18180.00	2025-06-28
5	5	Savings	10655.50	2025-06-28

Accounts 1 x

#	Time	Action	Message	Duration / Fetch
74	18:30:17	CALL ProcessMonthlyInterest()	3 row(s) affected	0.016 sec
75	18:30:22	SELECT * FROM Accounts WHERE AccountType = 'Savings' LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec