

Exercise 4: Functions

Output:

Scenario 3:

Has Sufficient Amount:

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'banksystem' selected. The main editor shows the following SQL code:

```
1 DROP FUNCTION IF EXISTS HasSufficientBalance;
2 DELIMITER $$
3
4 CREATE FUNCTION HasSufficientBalance(
5     p_accountID INT,
6     p_amount DECIMAL(10,2)
7 )
8 RETURNS BOOLEAN
9 DETERMINISTIC
10 BEGIN
```

The 'Result Grid' shows the output of the function for six customers:

CustomerID	Name	AccountID	CurrentBalance	RequiredAmount	HasSufficientBalance
1	John Doe	1	49596.00	500	1
2	Jane Smith	2	2400.00	500	1
3	Suresh Kumar	3	18180.00	500	1
4	Lakshmi Iyer	4	4200.00	500	1
5	Rahul Mehta	5	10655.50	500	1
6	Meera Rao	6	950.00	500	1

The 'Output' pane at the bottom shows the execution results:

#	Time	Action	Message	Duration / Fetch
101	18:52:34	SELECT DISTINCT c.CustomerID, c.Name FROM Customers c JOIN Accounts a ON a.C...	6 row(s) returned	0.000 sec / 0.000 sec
102	18:53:32	SELECT c.CustomerID, c.Name, a.AccountID, a.Balance AS CurrentBalance, ...	6 row(s) returned	0.016 sec / 0.000 sec