

Exercise 4: Functions

Output:

Scenario 2:

Monthly Installment:

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'banksystem' expanded, showing tables like 'accounts', 'customers', 'employees', 'loans', and 'transactions'. The main editor window contains a SQL query titled 'CalculateMonthlyInstallment'. The query is as follows:

```
DELIMITER ;
-- Monthly Installment
SELECT
  c.Name,
  l.LoanAmount,
  l.InterestRate,
  TIMESTAMPDIFF(MONTH, l.StartDate, l.EndDate) DIV 12 AS Years,
  ...
```

Below the query editor, the 'Result Grid' displays the following data:

Name	LoanAmount	InterestRate	Years	MonthlyEMI
John Doe	15000.00	3.96	5	275.98
Meera Rao	3000.00	5.45	1	257.44
Rahul Mehta	12000.00	7.00	2	537.27
Suresh Kumar	50000.00	4.46	3	1486.46

The bottom panel shows the 'Output' tab with 'Action Output' selected, displaying the execution results of the query:

#	Time	Action	Message	Duration / Fetch
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
103	18:56:05	SELECT	c.Name, l.LoanAmount, l.InterestRate, TIMESTAMPDIFF(MONTH, l.Start... 4 row(s) returned	0.000 sec / 0.000 sec