

Exercise 1: Control Structures

Output:

Scenario 3:

Loan Whose End Date is within 30 days:

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' panel with 'banksystem' selected. The main editor window contains a SQL query:

```
3 BEGIN
4 -- We'll just SELECT messages; Workbench shows them in the result grid
5 SELECT CONCAT('Reminder: Loan ', LoanID, ' for ',
6             c.Name, ' is due on ', DATE_FORMAT(1.EndDate, '%Y-%m-%d'))
7             AS ReminderMessage
8 FROM Loans l
9 JOIN Customers c ON c.CustomerID = l.CustomerID
10 WHERE 1.EndDate BETWEEN CURDATE() AND DATE_ADD(CURDATE(), INTERVAL 30 DAY);
11 END$$
```

Below the query editor, the 'Result Grid' is visible, showing columns: LoanID, Name, EndDate. The 'Output' panel at the bottom shows the execution log:

#	Time	Action	Message	Duration / Fetch
33	17:54:31	SELECT CustomerID, Name, Balance, IsVIP FROM Customers ORDER BY Balance DESC ...	6 row(s) returned	0.000 sec / 0.000 sec
34	17:58:42	SELECT l.LoanID, c.Name, l.EndDate FROM Loans l JOIN Customers c ON ...	0 row(s) returned	0.000 sec / 0.000 sec

The 'SQLAdditions' panel on the right contains a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'