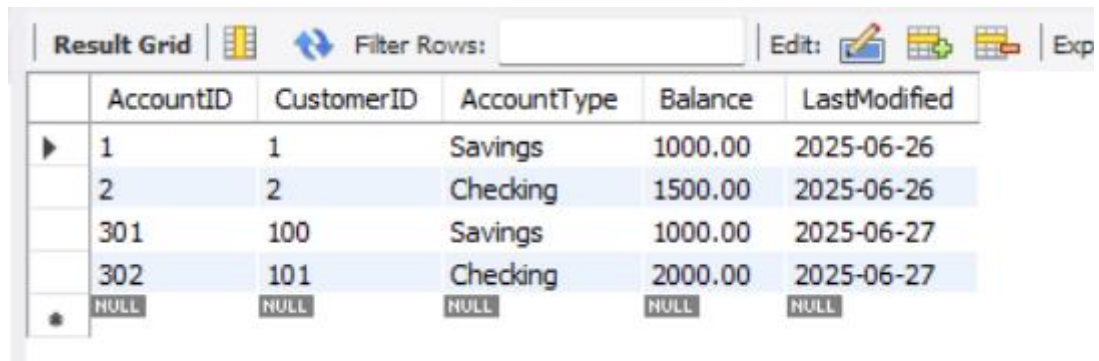


### Exercise 3: Stored Procedures

**Scenario 1:** The bank needs to process monthly interest for all savings accounts. procedure **ProcessMonthlyInterest** that calculates and updates the balance of all savings accounts by applying an interest rate of 1% to the current balance is implemented successfully

Output:

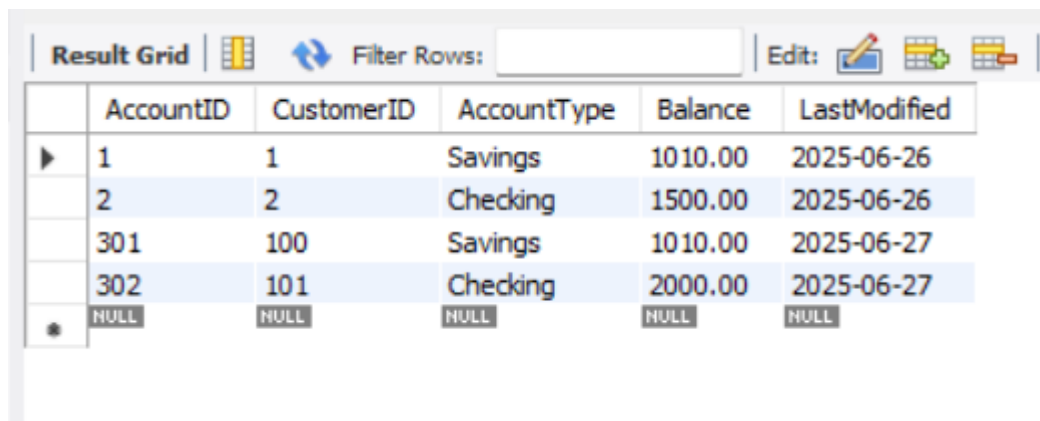
1. Here are Savings accounts before getting update of 1% of interest rate in balance.



The screenshot shows a 'Result Grid' with a toolbar at the top containing icons for 'Filter Rows', 'Edit', and 'Export'. The grid displays a table with the following data:

	AccountID	CustomerID	AccountType	Balance	LastModified
▶	1	1	Savings	1000.00	2025-06-26
	2	2	Checking	1500.00	2025-06-26
	301	100	Savings	1000.00	2025-06-27
	302	101	Checking	2000.00	2025-06-27
•	NULL	NULL	NULL	NULL	NULL

2. Here are Savings accounts after getting update of 1% of interest rate in balance using stored procedure in SQL.



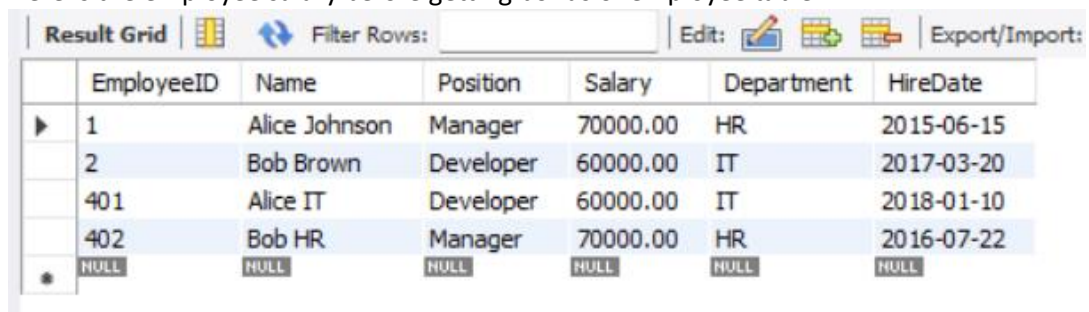
The screenshot shows a 'Result Grid' with a toolbar at the top containing icons for 'Filter Rows', 'Edit', and 'Export/Import'. The grid displays a table with the following data:

	AccountID	CustomerID	AccountType	Balance	LastModified
▶	1	1	Savings	1010.00	2025-06-26
	2	2	Checking	1500.00	2025-06-26
	301	100	Savings	1010.00	2025-06-27
	302	101	Checking	2000.00	2025-06-27
•	NULL	NULL	NULL	NULL	NULL

**Scenario 2:** The bank wants to implement a bonus scheme for employees based on their performance. Here Bonus percentage and Department is passed as parameter to procedure.

Output :

3. Here is the employee salary before getting bonus of employee table.



The screenshot shows a 'Result Grid' with a toolbar at the top containing icons for 'Filter Rows', 'Edit', and 'Export/Import'. The grid displays a table with the following data:

	EmployeeID	Name	Position	Salary	Department	HireDate
▶	1	Alice Johnson	Manager	70000.00	HR	2015-06-15
	2	Bob Brown	Developer	60000.00	IT	2017-03-20
	401	Alice IT	Developer	60000.00	IT	2018-01-10
	402	Bob HR	Manager	70000.00	HR	2016-07-22
•	NULL	NULL	NULL	NULL	NULL	NULL

4. Below is the employee salary after getting bonus, Here the bonus is applied to IT department and percentage is 10%.

```
5  
6 • CALL UpdateEmployeeBonus('IT', 10.00);  
7
```

Result Grid						
Filter Rows:						
	EmployeeID	Name	Position	Salary	Department	HireDate
▶	1	Alice Johnson	Manager	70000.00	HR	2015-06-15
	2	Bob Brown	Developer	66000.00	IT	2017-03-20
	401	Alice IT	Developer	66000.00	IT	2018-01-10
	402	Bob HR	Manager	70000.00	HR	2016-07-22
•	NULL	NULL	NULL	NULL	NULL	NULL

**Scenario 3 :** Customers should be able to transfer funds between their accounts.

Output :

5. Here is the AccountID and Balance of customer before fund transfer.

Result Grid		
Filter Rows:		
	AccountID	Balance
▶	501	5000.00
	502	2000.00
•	NULL	NULL

6. Here is the updated entries after the fund transfer of 1000.00 between AccountIDs 501 and 502. Here the procedure is used in SQL.

```
7 • CALL TransferFunds(501, 502, 1000.00);
```

Result Grid		
Filter Rows:		
	AccountID	Balance
▶	501	4000.00
	502	3000.00
•	NULL	NULL