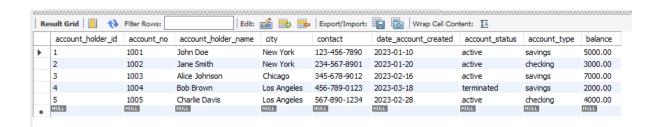
## Dbms assessment

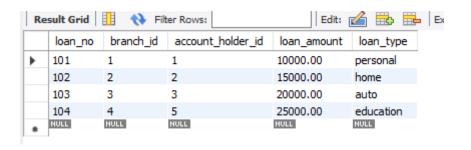
```
1 •
       create database acc;
 2
 3 •
       use acc;
 4
 5 • ⊖ create table Bank (
           branch_id int primary key,
 6
           branch_name varchar(100),
           branch_city varchar(100)
 8
 9
       );
10
       INSERT INTO Bank (branch_id, branch_name, branch_city) VALUES
11 •
       (1, 'Main Branch', 'New York'),
12
       (2, 'Downtown Branch', 'New York'),
13
       (3, 'Uptown Branch', 'Chicago'),
14
       (4, 'Suburb Branch', 'Los Angeles');
15
16
17 •
       select * from bank;
10
```

	branch_id	branch_name	branch_city
Þ	1	Main Branch	New York
	2	Downtown Branch	New York
	3	Uptown Branch	Chicago
	4	Suburb Branch	Los Angeles
	NULL	NULL	NULL

```
19 • ⊖ create table AccountHolder (
20
           account_holder_id int primary key,
21
           account_no int,
           account_holder_name varchar(100),
23
           city varchar(100),
24
           contact varchar(15),
25
           date_account_created date,
26
           account_status varchar(10),
27
           account_type varchar(50),
28
           balance decimal(10, 2)
29
30
31 • ⊝ INSERT INTO AccountHolder (account_holder_id, account_no, account_holder_name, city, contact,
       date_account_created, account_status,
       account_type, balance) VALUES
33
       (1, 1001, 'John Doe', 'New York', '123-456-7890', '2023-01-10', 'active', 'savings', 5000.00),
34
       (2, 1002, 'Jane Smith', 'New York', '234-567-8901', '2023-01-20', 'active', 'checking', 3000.00),
36
       (3, 1003, 'Alice Johnson', 'Chicago', '345-678-9012', '2023-02-16', 'active', 'savings', 7000.00),
       (4, 1004, 'Bob Brown', 'Los Angeles', '456-789-0123', '2023-03-18', 'terminated', 'savings', 2000.00),
37
       (5, 1005, 'Charlie Davis', 'Los Angeles', '567-890-1234', '2023-02-28', 'active', 'checking', 4000.00);
39
40 •
      select * from accountholder;
```



```
42 • ⊝ create table Loan (
           loan_no INT PRIMARY KEY,
43
           branch id INT,
44
45
           account_holder_id INT,
           loan amount DECIMAL(10, 2),
46
           loan_type VARCHAR(50),
47
           FOREIGN KEY (branch id) REFERENCES Bank(branch id),
48
49
           FOREIGN KEY (account_holder_id) REFERENCES AccountHolder(account_holder_id)
       );
50
51
52 •
       INSERT INTO Loan (loan_no, branch_id, account_holder_id, loan_amount, loan_type) VALUES
53
       (101, 1, 1, 10000.00, 'personal'),
       (102, 2, 2, 15000.00, 'home'),
54
       (103, 3, 3, 20000.00, 'auto'),
55
       (104, 4, 5, 25000.00, 'education');
56
57
58 • select * from loan;
```



```
74 •
       create table viewtable
 75
        (name varchar(20),amount varchar(20));
 76
        delimiter //
 77
 78 •
        create trigger newbackup
 79
        after insert
        on accountholder
 80
 81
        for each row
 82
      ⊖ begin
 83
        insert into viewtable(name,amount) values
 84
        (NEW.account_holder_name, "Transaction done!");
        end//
 85
        delimiter;
 86
 87
        insert into viewtable(name,amount) values ('John Doe',"Transaction done!");('Jane Smith',"Transaction done!");
 88 •
 89
        select * from viewtable;
 90 •
<
                                      Export: Wrap Cell Content: IA
amount
   John Doe
            Transaction done!
  Jane Smith Transaction done!
```

```
show variables like 'sql_safe_updates';
78 •
79
      set SQL SAFE UPDATES = 0;
80 •
81
82 •
      start transaction;
83
      update AccountHolder
84 •
      set balance = balance - 100
85
86
      where account no = 1001;
87
88 •
      update AccountHolder
89
      set balance = balance + 100
      where account no = 1002;
90
91 •
      select * from accountholder;
```



