

Trigger Q1

Create an account table(acc_no, cname, balance, branch_name), loan table(loan_no, amt, branch_name), borrower table(cname, loan_no). Create a trigger to perform the following operations:

Whenever the balance becomes negative, create a loan in the amount of overdraft. The loan_no is given

same as acc_no.

```
SQL> CREATE TABLE account(acc_no INT PRIMARY KEY, cname VARCHAR(30), balance INT, branch_name VARCHAR(30));
Table created.

SQL> CREATE TABLE loan(loan_no INT REFERENCES account(acc_no), amt INT, branch_name VARCHAR(30));
Table created.

SQL> CREATE TABLE borrower(cname VARCHAR(30), loan_no INT REFERENCES account(acc_no));
Table created.
```

Trigger:

```
CREATE OR REPLACE TRIGGER t
AFTER UPDATE ON account
for each row
WHEN (new.balance < 0)
begin
    insert into loan values(:old.acc_no,:new.balance*-1,:old.branch_name);
    insert into borrower values(:old.cname,:old.acc_no);
end;
```

Output:

```
SQL> /
Trigger created.
SQL> insert into account values(123,'Jake',1000,'Mumbai');
1 row created.
SQL> update account set balance=-2000 where acc_no=123;
1 row updated.
SQL> select * from loan;

  LOAN_NO      AMT BRANCH_NAME
-----
      123      2000 Mumbai

SQL> select * from borrower;

CNAME                                LOAN_NO
-----
Jake                                123
```