

# 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.
```

## //CODE

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> update account set balance=-2000 where acc_no=1234;
1 row updated.
SQL> select * from loan;
  LOAN_NO      AMT BRANCH_NAME
-----
    1234      2000 abc
SQL> select * from borrower;
CNAME                                LOAN_NO
-----
zameel                                1234
```