

```
ALTER TABLE account
ADD amount_in_account float;
```

```
create or replace function update_amount_function()
returns trigger
language plpgsql
as $$
declare
    f float ;
Begin
    Select amount_in_account into f from Account where account_number = new.sender_id;
    if f < new.amount then
        RAISE NOTICE 'Insufficient Balance';
        Return null;
    else
        update Account set amount_in_account = amount_in_account + new.amount where
account_number = new.receiver_id ;
        update account set amount_in_account = amount_in_account - new.amount where
account_number = new.sender_id;
        Return new;
    End if;
END;
```

```
$$;
```

```
Create trigger update_transaction_trigger
After insert
On transaction
For each row
Execute procedure update_amount_function() ;
```

```
Create table deposit
(
    deposit_id serial not null,
    account_number int not null,
    amount float NULL,
    Primary key (deposit_id),
    FOREIGN KEY ( account_number) references Account (account_number)
```

);

Create or replace function deposit_trigger_function()

Returns trigger

Language plpgsql

As \$\$

Begin

update account

set amount_in_account = amount_in_account + new.amount

where account_number = new.account_number ;

Return new;

End;

\$\$;

Create trigger deposit_trigger

After insert

On deposit

For each row

Execute procedure deposit_trigger_function();

Create table withdrawal

(

withdrawal_id serial not null,

account_number int not null,

withdrawal_amount float NULL,

Primary key (withdrawal_id),

FOREIGN KEY (account_number) references Account (account_number)

);

create or replace function withdrawal_trigger_function()

returns trigger

language plpgsql

as \$\$

declare

f float ;

Begin

Select amount_in_account into f from Account where account_number =
new.account_number;

if f < new.withdrawal_amount then

```
RAISE NOTICE 'Insufficient Balance';
Return null;
else
    update Account set amount_in_account = amount_in_account - new.amount where
account_number = new.receiver_id ;
update account set amount_in_account = amount_in_account - new.amount where
account_number = new.account_number;
Return new;
End if;
END;
```

```
$f$;
```

```
Create trigger withdrawal_trigger
After insert
On withdrawal
For each row
Execute procedure withdrawl_trigger_function()
;
```