**PROJECT REPORT**

TOPIC: **TRANSACTION MANAGEMENT SYSTEM USING PL/SQL**

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**TRANSACTION MANAGEMENT SYSTEM USING PL/SQL**

**IMPLEMENTATION:**

This project solely focuses on Transaction Management of the customer’s bank account. Firstly, the table containing the customer’s details like account number, account name, account balance, account branch, account city is created. Then the details of 10 customers have been inserted in the table. After this the PL/SQL code for the updation of balance (withdraw, deposit) for the customers has been written.

**SOFTWARE USED:** Live SQL

**CODE:**

**--creating table (database object)**

create table bank\_account(

account\_no char(10),

account\_name char(15),

account\_balance number(15),

account\_branch char(15),

account\_city char(15));

--**inserting customer details**

insert into bank\_account values('A10713698', 'Kunal sharma', 350000, 'Mayapuri', 'Delhi');

insert into bank\_account values('A10713701', 'arindma', 670000, 'preet vihar', 'Delhi');

insert into bank\_account values('A10713705', 'ujwal dua', 980000, 'swesh colony', 'gurgaon');

insert into bank\_account values('A10713711', 'Kaviraj', 785000, 'rk residency', 'noida');

insert into bank\_account values('A10714102', 'jaspreet', 1420000, 'juju colony', 'Jaipur');

insert into bank\_account values('A10714106', 'Arav sinha', 458000, 'Midhapur', 'Jodhpur');

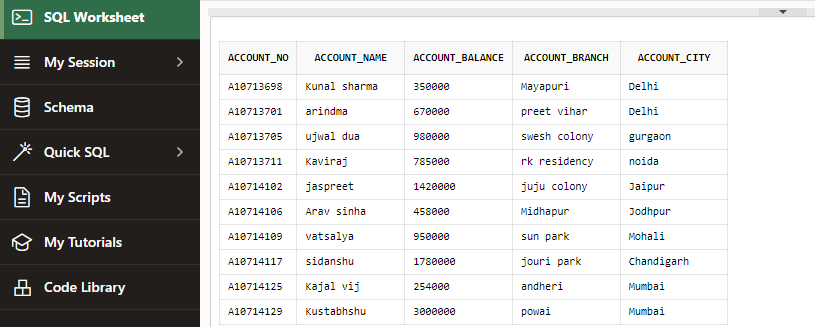
insert into bank\_account values('A10714109', 'vatsalya', 950000, 'sun park', 'Mohali');

insert into bank\_account values('A10714117', 'sidanshu', 1780000, 'jouri park', 'Chandigarh');

insert into bank\_account values('A10714125', 'Kajal vij', 254000, 'andheri', 'Mumbai');

insert into bank\_account values('A10714129', 'Kustabhshu', 3000000, 'powai', 'Mumbai');

select \* from bank\_account;



**--PL/SQL CODE:**

DECLARE

personalact\_no bank\_account.account\_no%type;

xact\_balance bank\_account.account\_balance%type;

options number(1);

deposit number(10);

withdrawal number(10);

BEGIN

personalact\_no:=&Enter\_Account\_Number;

options:=&1Deposit\_2Withdrawal\_3Balance;

select account\_balance into xact\_balance from bank\_account where account\_no=personalact\_no ;

IF( options = 1 ) THEN

deposit:=&Enter\_Deposit\_Amount;

update bank\_account set account\_balance=account\_balance+deposit where account\_no=personalact\_no ;

xact\_balance :=xact\_balance+deposit;

dbms\_output.put\_line('Rs. '||deposit||' has been creadited in your account');

dbms\_output.put\_line('Your final balance is Rs. '||xact\_balance );

ELSIF( options = 2 ) THEN

withdrawal:=&Enter\_Withdrawal\_Amount;

IF ( withdrawal<=xact\_balance ) THEN

update bank\_account set account\_balance=account\_balance-withdrawal where account\_no=personalact\_no ;

xact\_balance:=xact\_balance-withdrawal;

dbms\_output.put\_line('Rs. '||withdrawal||' has been debited in your account');

dbms\_output.put\_line('Your final balance is Rs.'||xact\_balance );

ELSE

dbms\_output.put\_line('Your withdrawal amount is greater than balance');

dbms\_output.put\_line('Your transaction failed');

dbms\_output.put\_line('Your final balance is Rs.'||xact\_balance );

END IF;

ELSE dbms\_output.put\_line('Your balance is Rs. '||xact\_balance );

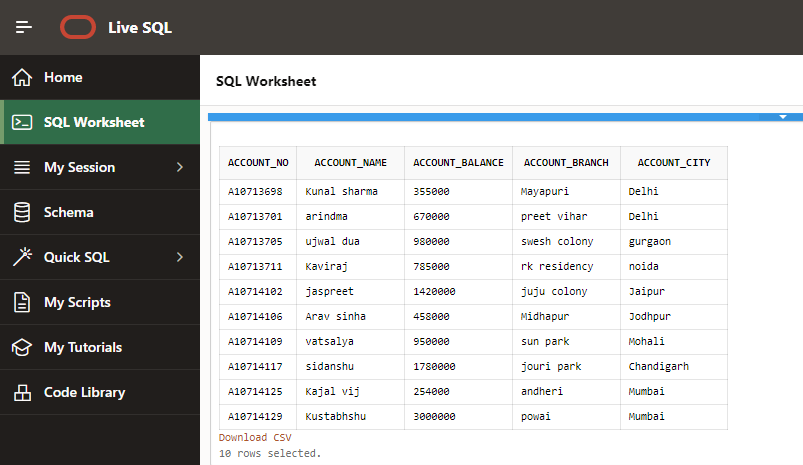
END IF;

END;

**OUTPUT:**

1. For account number='A10713698' , options:=1, deposit:=5000

Updated table:



1. For account number= 'A10714117' , options:=2, withdrawal:=3000

Updated table:

