1. Write a procedure to take branch\_id as parameter and retrieve details of the account\_no, first\_name, last\_name, customer\_city, phone\_no and loan\_amount of the customer who had taken loan from that branch.

Answer:

PROCEDURE loan\_proc

(p\_branch\_id IN loan\_details.branch\_id%type) IS

CURSOR C1 IS

SELECT a.account\_no, c.first\_name, c.last\_name, c.phone\_no, c.customer\_city

FROM loan\_details l JOIN customer c USING(customer\_id)

JOIN account a USING(customer\_id) WHERE l.branch\_id = p\_branch\_id;

v\_rec c1%rowtype;

BEGIN

OPEN C1;

LOOP

FETCH C1 INTO v\_rec;

EXIT WHEN C1%NOTFOUND;

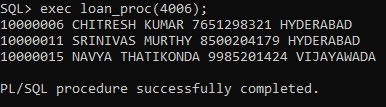
DBMS\_OUTPUT.PUT\_LINE(v\_rec.account\_no ||' '|| v\_rec.first\_name ||' '|| v\_rec.last\_name ||' '|| v\_rec.phone\_no ||' '|

| v\_rec.customer\_city);

END LOOP;

CLOSE C1;

END loan\_proc;



2. Write a procedure to delete internet\_banking record of the customers whose account\_status is terminated or suspended by taking the customer\_id as the parameter.

Answer:

PROCEDURE rem\_proc

(P\_CUST\_ID IN ACCOUNT.CUSTOMER\_ID%TYPE)

IS

ACC\_STATUS ACCOUNT.ACCOUNT\_STATUS%TYPE;

BEGIN

SELECT ACCOUNT\_STATUS INTO ACC\_STATUS FROM ACCOUNT WHERE CUSTOMER\_ID = P\_CUST\_ID;

IF (ACC\_STATUS = 'TERMINATED' OR ACC\_STATUS = 'SUSPENDED') THEN

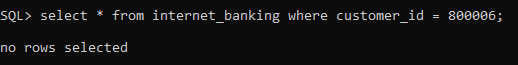
DELETE INTERNET\_BANKING WHERE CUSTOMER\_ID = P\_CUST\_ID;

ELSE

DBMS\_OUTPUT.PUT\_LINE ('THE ACCOUNT STATUS IS NOT SUSPENDED OR TERMINATED');

END IF;

END REM\_proc;



3. Write a function to return the total amount deposited through cheque by all the customers.

CREATE OR REPLACE FUNCTION func\_dep

RETURN NUMBER IS

v\_dep number;

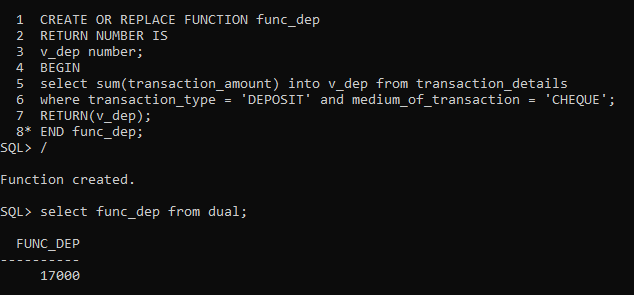
BEGIN

select sum(transaction\_amount) into v\_dep from transaction\_details

where transaction\_type = 'DEPOSIT' and medium\_of\_transaction = 'CHEQUE';

RETURN(v\_dep);

END func\_dep;



4. Write a trigger to store the old password and the changed password of the internet\_banking n the new table.

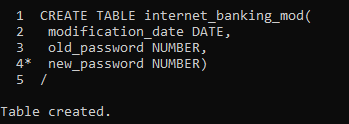
Answer:

CREATE TABLE internet\_banking\_mod(

modification\_date DATE,

old\_password NUMBER,

new\_password NUMBER)



CREATE OR REPLACE PROCEDURE pro\_trig (old\_password number, new\_password number) AS

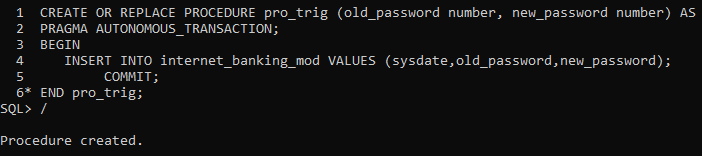
PRAGMA AUTONOMOUS\_TRANSACTION;

BEGIN

INSERT INTO internet\_banking\_mod VALUES (sysdate,old\_password,new\_password);

COMMIT;

END pro\_trig;



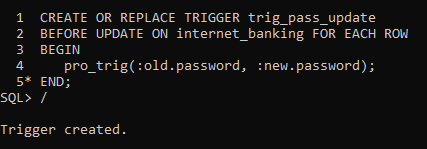
CREATE OR REPLACE TRIGGER trig\_pass\_update

BEFORE UPDATE ON internet\_banking FOR EACH ROW

BEGIN

pro\_trig(:old.password, :new.password);

END;



update internet\_banking set password = 4998 where login\_id = 60011;

select \* from internet\_banking\_mod;

