**DBMS ASSIGNMENT- 7**

* **TRIGGERS**
* Previous Owners

CREATE OR REPLACE TRIGGER before\_owner\_update

BEFORE UPDATE ON Flat

FOR EACH ROW

BEGIN

INSERT INTO Previous\_Owner(AadharNo,FlatNo,change\_timestamp)

VALUES(:OLD.Owner\_AadharNo,:OLD.FlatNo,SYSTIMESTAMP);

END;

/

* **STORED PROCEDURES**
* CREATE OR REPLACE PROCEDURE GetMaintenanceAmt(Flat\_No IN VARCHAR2,Amt OUT NUMBER)

IS

BEGIN

IF(Flat\_No LIKE 'G%') THEN

Amt:=1000;

ELSE

Amt:=1500;

END IF;

END;

* CREATE OR REPLACE PROCEDURE GenerateMaintenance

IS

Amt NUMBER;

pno VARCHAR2(20);

CURSOR cur\_flat IS

SELECT \*

FROM Flat

ORDER BY FlatNo;

flat\_no cur\_flat%ROWTYPE;

TYPE flat IS TABLE OF flat\_no%TYPE;

flatno flat;

BEGIN

OPEN cur\_flat;

FETCH cur\_flat BULK COLLECT INTO flatno;

CLOSE cur\_flat;

FOR indx IN 1..flatno.COUNT LOOP

getmaintenanceamt(flatno(indx).FlatNo,Amt);

SELECT CONCAT(flatno(indx).FlatNo,TO\_CHAR(SYSDATE,'YYYYMMDD')) INTO pno FROM dual;

IF(flatno(indx).Owner\_AadharNo IS NOT NULL) THEN

INSERT INTO Maintainance\_Bill(PaymentNo,Amount,PayDate,AadharNo,FlatNo,Paid,Due\_Date)

VALUES(pno,Amt,NULL,flatno(indx).Owner\_AadharNo,flatno(indx).FlatNo,0,TO\_DATE(SYSDATE+30));

END IF;

END LOOP;

COMMIT;

END;