Experiment 15

Write a database trigger which fires if you try to insert, update, or delete after 7'o' clock

```
CREATE OR REPLACE TRIGGER GEETIME BEFORE INSERT OR UPDATE OR
 DELETE ON EMP for each row
DECLARE
A VARCHAR2(10);
BEGIN
SELECT TO_CHAR(SYSDATE,'HH:MI') INTO A FROM DUAL;
 IF A > '06:59' then
RAISE_APPLICATION_ERROR(-20500,'YOU CANT DO THIS OPERATION
NOW');
END IF;
END;
```

Experiment 16

16. Write a data base trigger, which acts just like primary key and does not allow duplicate

```
CREATE OR REPLACE TRIGGER PRIKEY  BEFORE INSERT ON EMP
FOR EACH ROW
DECLARE
A NUMBER;
BEGIN
SELECT COUNT(*) INTO A FROM EMP WHERE EMPNO=:NEW.EMPNO;
 IF A >=1 THEN
RAISE_APPLICATION_eRROR(-20500,'THE PRI KEY RULE IS
VOILATED');
ELSIF A=0 THEN
PRINT('RECORD IS INSERTED');
END IF;
END;
```

```
 SQL> INSERT INTO EMP(EMPNO,DEPTNO) VALUES(7788,20);
INSERT INTO EMP(EMPNO,DEPTNO) VALUES(7788,20)
ERROR at line 1:
*ORA-20500: THE PRI KEY RULE IS VOILATED
ORA-06512: at "GEETHA.PRIKEY", line 6
ORA-04088: error during execution of trigger 'GEETHA.PRIKEY'
SQL>  INSERT INTO EMP(EMPNO,DEPTNO) VALUES(77,20);


 1 row created.
```

Experiment 17

17. Create a data base trigger, which performs the action of the on delete cascade

```
    CREATE OR REPLACE TRIGGER DELDEPT
AFTER DELETE ON DEPT FOR EACH ROW
BEGIN
 DELETE FROM EMP WHERE DEPTNO=:OLD.DEPTNO;
PRINT('RECORDS IN EMP ARE ALSO DELETED');
END;
```

18. Write a data base trigger, which should not delete from emp table if the day is Sunday.

```
CREATE OR REPLACE TRIGGER EMPNO_CHECK
BEFORE DELETE   ON emp
BEGIN
 if  to_char(sysdate,'dAy')='SUNDAY'  then
raise_application_error(-20001,'TO DAY IS SUNDAY  ');
end if;
END;
```