# Slip no 15

CREATE TABLE driversfy23(

did NUMBER(11) PRIMARY KEY,

dname VARCHAR2(50) NOT NULL,

addr VARCHAR2(100)

);

CREATE TABLE car23(

lno NUMBER(11) PRIMARY KEY,

model VARCHAR2(50),

year NUMBER(4)

);

CREATE TABLE dc23(

did NUMBER(11) REFERENCES driversfy23(did) on delete cascade,

lno NUMBER(11) REFERENCES car23(lno) on delete cascade,

udate DATE,

utime varchar2(20)

);

INSERT ALL

INTO driversfy23 VALUES (1, 'Aarav Patel', 'Delhi')

INTO driversfy23 VALUES (2, 'Mira Singh', 'Mumbai')

INTO driversfy23 VALUES (3, 'Arjun Sharma', 'Bangalore')

INTO driversfy23 VALUES (4, 'Isha Gupta', 'Kolkata')

INTO driversfy23 VALUES (5, 'Rohan Verma', 'Chennai')

SELECT \* FROM dual;

INSERT ALL

INTO car23 VALUES (101, 'Swift', 2020)

INTO car23 VALUES (102, 'City', 2022)

INTO car23 VALUES (103, 'Civic', 2021)

INTO car23 VALUES (104, 'Fortuner', 2020)

INTO car23 VALUES (105, 'XUV500', 2023)

SELECT \* FROM dual

insert into car23 valueS(106,'Swift',2010);

INSERT ALL

INTO dc23 VALUES (1, 101,'1-feb-15', '08:30 AM')

INTO dc23 VALUES (2, 102,'2-feb-17', '10:45 AM')

INTO dc23 VALUES (3, 103,'10-feb-15', '02:00 PM')

INTO dc23 VALUES (4, 104,'1-jan-18', '09:15 AM')

INTO dc23 VALUES (5, 105,'1-feb-17', '01:30 PM')

SELECT \* FROM dual;

insert into dc23 values(2,106,'1-jan-2010','8:00 AM');

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create or replace trigger t15

before insert or update on car23

for each row

begin

if(:new.year>2024) then

raise\_application\_error(-20015,'invalid year');

end if;

end;

INSERT INTO car23 VALUES (112, 'Swift', 2029);

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create or replace function f23

return number is

fsum number(3);

begin

select count(driversfy23.did) into fsum from driversfy23,car23,dc23 where car23.lno = dc23.lno and driversfy23.did=dc23.did and car23.model='Swift';

return fsum;

end;

select f23 from dual;

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