# Slip no 12

CREATE TABLE wholesaler23 (

wno NUMBER(3) PRIMARY KEY,

wname VARCHAR2(50) NOT NULL,

address VARCHAR2(50),

city VARCHAR2(50)

);

CREATE TABLE product23 (

pno NUMBER(4) PRIMARY KEY,

pname VARCHAR2(50) NOT NULL,

rate NUMBER(7) CHECK (rate > 0)

);

CREATE TABLE wp (

wno NUMBER(3) REFERENCES wholesaler23(wno) ON DELETE CASCADE,

pno NUMBER(4) REFERENCES product23(pno) ON DELETE CASCADE,

quantity NUMBER(5) CHECK (quantity > 0),

PRIMARY KEY (wno, pno)

);

INSERT INTO wholesaler23 VALUES (1, 'Raj Traders', '123 Street', 'City A');

INSERT INTO wholesaler23 VALUES (2, 'Sharma Distributors', '456 Road', 'City B');

INSERT INTO wholesaler23 VALUES (3, 'Singh Enterprises', '789 Avenue', 'City C');

INSERT INTO wholesaler23 VALUES (4, 'Patel Traders', '101 Boulevard', 'City D');

INSERT INTO wholesaler23 VALUES (5, 'Kumar Suppliers', '202 Lane', 'City E');

INSERT INTO product23 VALUES (101, 'Sugar', 50.00);

INSERT INTO product23 VALUES (102, 'Tea Leaves', 75.00);

INSERT INTO product23 VALUES (103, 'Rice', 40.00);

INSERT INTO product23 VALUES (104, 'Wheat Flour', 30.00);

INSERT INTO product23 VALUES (105, 'Spices', 60.00);

INSERT INTO wp VALUES (1, 101, 200);

INSERT INTO wp VALUES (2, 102, 150);

INSERT INTO wp VALUES (3, 103, 100);

INSERT INTO wp VALUES (4, 104, 250);

INSERT INTO wp VALUES (5, 105, 120);

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create or replace trigger t12

before insert or update on product23

for each row

begin

if(:new.rate<=0) then

raise\_application\_error(-20012,'rate should greater than zero');

end if;

end;

INSERT INTO product23 VALUES (109, 'Sugar', 0);

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create or replace function f23(u in varchar2)

return number is

ft number;

begin

select count(product23.pno) into ft from product23,wp,wholesaler23 where product23.pno=wp.pno and wholesaler23.wno=wp.wno and wholesaler23.wname=u;

return ft;

end;

select f23(:u) from dual;