om=# create table bran (bid int primary key, brname char(30), brcity char(10));

CREATE TABLE

om=# create table cust (cno int primary key , cname char(20), caddr char(35), city char(20));

CREATE TABLE

om=# create table loana (lno int primary key , amtreq money, amtap money, ldate date);

CREATE TABLE

om=# create table clb(bid int references bran, cno int references cust, lno int references loana);

CREATE TABLE

om=# insert into bran values (1, 'Pimpri', 'Pune');

INSERT 0 1

om=# insert into cust values (11, 'Om' , 'Pimpri', 'Pune' );

INSERT 0 1

om=# insert into loana values (111, 24000, 22000, '12/12/2004');

INSERT 0 1

om=# insert into clb values (1, 11, 111);

INSERT 0 1

1. om=# create or replace function cust\_os(text)

om-# returns void as '

om'# declare

om'# rec record;

om'# n1 alias for $1;

om'#

om'# begin

om'# select into rec cno, cname, caddr, city from cust where cname=n1;

om'# if rec is null then

om'# raise exception '' not found '';

om'# end if;

om'# end;'

om-# language 'plpgsql

CREATE FUNCTION

om=# select cust\_os ('Om');

cust\_os

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(1 row)

om=# select cust\_os ('Rohan');

ERROR: not found

CONTEXT: PL/pgSQL function cust\_os(text) line 9 at RAISE

2. om=# create or replace function bran\_wise(text)

returns void as'

declare

rec record;

a1 alias for $1;

begin

select into rec cname, caddr, city from cust,clb ,bran where cust.cno=clb.cno and bran.bid=clb.bid and brname=a1;

if rec is null then

raise exception ''Invalid'';

end if;

end;'

language 'plpgsql';

CREATE FUNCTION

om=# select bran\_wise('Pimpri');

bran\_wise

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(1 row)

om=# select bran\_wise('Kalewadi');

ERROR: Invalid

CONTEXT: PL/pgSQL function bran\_wise(text) line 8 at RAISE

3. om=# Create or replace function loan\_apdate (ldate date)

Returns void as'

Declare

rec int;

m1 alias for $1;

Begin

Select into rec count(\*) from loana where loana.ldate>m1;

If rec is not null then

Raise notice ''No. of rows that exist are %'', rec;

end if;

end;'

Language 'plpgsql';

CREATE FUNCTION

om=# select loan\_apdate('11-04-2020');

NOTICE: No. of rows that exist are 0

loan\_apdate

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(1 row)

om=# select loan\_apdate('12-12-2004');

NOTICE: No. of rows that exist are 3

loan\_apdate

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(1 row)