

A. Implement Functions in PL/SQL.

1. Create a schema level Function to display a simple message “Hello”.

create or replace function msg return varchar as
begin

return 'welcome';

end;

declare y varchar(20);

begin

y := msg;

dbms_output.put_line(y);

end;

welcome

2. Create a block level function to display a simple message “Hello”.

declare y varchar(20);

function mssg return varchar is

begin

return 'welcome';

end;

begin

y:= mssg;

dbms_output.put_line(y);

end;

welcome

3. Create a table customer with attributes cust_id, first_name, last_name, city.

create table cust(cust_id int, fname varchar(20),
lname varchar(20), city varchar(20))

Table created.

4. Create a block level function to insert values in customer table. Insert 4 rows and print table using SQL statement

declare a int; b int; c int; d int; function

insertdata(cid cust.cust_id%type, cfname

cust.fname%type, clname cust.lname%type,
ccity cust.city%type)

return int is

begin insert into cust values(cid, cfname,
clname, ccity); return 1; end;

begin

a:= insertdata(1, 'Anushka', 'Nevgi', 'Kudal');

b:= insertdata(2, 'Tanisha', 'Khot', 'Kankavli');

c:= insertdata(3, 'Aditi', 'Khot', 'Sawantwadi');

d:= insertdata(4, 'Mansi', 'Didi', 'kankavli');

end;

1 row(s) inserted.

select * from cust;

CUST_ID	FNAME	LNAME	CITY
1	Anushka	Nevgi	Kudal
2	Tanisha	Khot	Kankavli
3	Aditi	Khot	Sawantwadi
4	Mansi	Didi	kankavli

5. Create a function to find all the customers whose fname contains a specific letter. Call the function with appropriate arguments.

declare a varchar(20);

function find return varchar is

begin

select fname into a from cust where fname like
'%M%'; return a;

end;

begin

a := find();

dbms_output.put_line(a);

end;

Mansi

6. Create a block level function to update the fname and lname of customer where a group of 3 cities are mentioned.

```
declare y varchar(20);
function updated(c1 cust.city%type, c2
cust.city%type, c3 cust.city%type, newfname
cust.fname%type, newlname cust.lname%type)
return varchar is
begin
update cust set fname = newfname where city =
c1 or city = c2 or city = c3;
update cust set lname = newlname where city =
c1 or city = c2 or city = c3;
return 'done';
end;
y := updated('Kudal', 'Kankavli', 'Sawantwadi',
'New', 'Name');
end;
```

CUST_ID	FNAME	LNAME	CITY
1	New	Name	Kudal
2	New	Name	Kankavli
3	New	Name	Sawantwadi
4	Mansi	Didi	kankavli

7. Create a schema level function to delete a customer record based on cust_id

```
create or replace function del(cid
cust.cust_id%type) return number as
begin
delete from cust where cust_id = cid;
return 1;
end;
```

```
declare
x number;
begin
x:=del(1);
end;
```

CUST_ID	FNAME	LNAME	CITY
2	New	Name	Kankavli
3	New	Name	Sawantwadi
4	Mansi	Didi	kankavli

8. Create a schema level function to delete the entry of customers where group of 3 cities are given

```
create or replace function remove(c1
cust.city%type, c2 cust.city%type, c3
cust.city%type) return varchar as
begin
delete from cust where city = c1 or city = c2 or
city = c3;
return 'Sucessfully deleted';
end;
declare y varchar(20);
begin
y := remove('kudal', 'Kankavli', 'Kudal');
end;
```

CUST_ID	FNAME	LNAME	CITY
3	Aditi	Khot	Sawantwadi
4	Mansi	Didi	kankavli