

5. Write a program to implement packages in PL/SQL by using following schema -
EMPLOYEE12(ID NUMBER,NAME VARCHAR(20), AGE NUMBER,ADDRESS
VARCHAR(20),SALARY NUMBER, PRIMARY KEY (ID));

- **Create the package for adding, removing and listing a customer.**
- **Display suitable output.**

```
create table employee12 (  
    id number,  
    name varchar2(20),  
    age number,  
    address varchar2(20),  
    salary number,  
    primary key (id)  
);
```

```
insert into employee12 values (01, 'thejas', 21, 'chelur', 40000);  
insert into employee12 values (02, 'shreyas', 23, 'mudigere', 50000);  
insert into employee12 values (03, 'vivek', 25, 'harogeri', 40000);  
insert into employee12 values (04, 'sindhu', 21, 'sogilu', 35000);
```

```
create or replace package e_pack as  
    procedure add_emp(  
        e_id employee12.id%type,  
        e_name employee12.name%type,  
        e_age employee12.age%type,  
        e_addr employee12.address%type,  
        e_sal employee12.salary%type  
    );  
    procedure del_emp(e_id employee12.id%type);  
    procedure list_emp;  
end e_pack;  
/
```

```
create or replace package body e_pack as  
    procedure add_emp(  
        e_id employee12.id%type,  
        e_name employee12.name%type,  
        e_age employee12.age%type,  
        e_addr employee12.address%type,  
        e_sal employee12.salary%type
```

```

)
is
begin
    insert into employee12 (id, name, age, address, salary)
    values (e_id, e_name, e_age, e_addr, e_sal);
end add_emp;

procedure del_emp(e_id employee12.id%type)
is
begin
    delete from employee12 where id = e_id;
end del_emp;

procedure list_emp
is
    cursor e_emp is select name from employee12;
    type e_list is table of employee12.name%type;
    name_list e_list := e_list();
    counter integer := 0;
begin
    for n in e_emp loop
        counter := counter + 1;
        name_list.extend;
        name_list(counter) := n.name;
        dbms_output.put_line('employee(' || counter || '): ' || name_list(counter));
    end loop;
end list_emp;
end e_pack;
/

set serveroutput on;

declare
    code employee12.id%type := 10;
begin
    e_pack.add_emp(12, 'shrey', 39, 'tumkur', 7600);
    e_pack.list_emp;
    e_pack.del_emp(code);
    e_pack.list_emp;
end;
/

```

```
employee(1): thejas  
employee(2): shreyas  
employee(3): vivek  
employee(4): sindhu  
employee(5): shrey  
employee(1): thejas  
employee(2): shreyas  
employee(3): vivek  
employee(4): sindhu  
employee(5): shrey
```

PL/SQL procedure successfully completed.

```
SQL> select * from employee12;
```

ID	NAME	AGE	ADDRESS	SALARY
1	thejas	21	chelur	40000
2	shreyas	23	mudigere	50000
3	vivek	25	harogeri	40000
4	sindhu	21	sogilu	35000
12	shrey	39	tumkur	7600