1. **Get the number of employees working under a given employee.**

create or replace procedure nos(e1 emp.empno%type) is

cnt number;

begin

select count(\*) into cnt from emp where mgr=e1;

dbms\_output.put\_line(cnt);

exception

when no\_data\_found then

dbms\_output.put\_line('wrong empno');

end nos;

1. **Get the number of employees working in given department name.**

create or replace procedure nosd(d1 dept.dname%type) is

cnt number;

begin

select count(\*) into cnt from emp,dept where

emp.deptno=dept.deptno and dname=d1;

dbms\_output.put\_line(cnt);

exception

when no\_data\_found then

dbms\_output.put\_line('wrong dept name');

end nosd;

1. **Create a Procedure to accept an Empno, and a salary increase amount, if Empno is not found or current salary is NULL then raise exceptions otherwise display total salary.**

create or replace procedure empis(e1 emp.empno%type,in1 emp.sal%type) is

s1 emp.sal%type;

nusal exception;

nsal emp.sal%type;

begin

select sal into s1 from emp where empno=e1;

if s1 is null then

raise nusal;

else

nsal:=s1+in1;

dbms\_output.put\_line(nsal);

end if;

exception

when nusal then

dbms\_output.put\_line('given emp. sal is null');

when no\_data\_found then

dbms\_output.put\_line('wrong empno');

end empis;

**Programs on Functions**

1. **Write a program to check whether the given number is Prime or not.**

**INPUT:**

create or replace function prime(n number) return number as

cnt number;

begin

cnt:=0;

for i in 1..n loop

if mod(n,i)=0 then

cnt:=cnt+1;

end if;

end loop;

return cnt;

end prime;

declare

num number;

count1 number;

begin

num:=&num;

count1:=prime(num);

if count1>2 then

dbms\_output.put\_line(num||''||'is not a prime number');

else

dbms\_output.put\_line(num|| ''||'is prime');

end if;

end;

**Write a program to check for the existence of P# in the table parts**

**INPUT:**

create or replace function ex(pno p.p#%type) return number as

pnum p.p#%type;

cnt number;

begin

cnt:=0;

select p# into pnum from p where p#=pno;

if pno=pnum then

cnt:=1;

end if;

return cnt;

end ex;

declare

n p.p#%type;

i number;

begin

n:='&n';

i:=ex(n);

if i=1 then

dbms\_output.put\_line('given'||''||n||'is in the table');

end if;

exception

when no\_data\_found then

dbms\_output.put\_line('given'||''||n||'is not in the table');

end;

**Programs on Packages**

* 1. **Write a package “EMPPACK” with the following function/Procedures**

1. **To insert an Employee**
2. **To delete an Employee**
3. **To List employees in a given Dept (Deptno/Dept name)**

**Package Specification**:

create or replace package emppack is

procedure ins2(e1 emp1.empno%type,en emp1.ename%type,j1 emp1.job%type,

m1 emp1.mgr%type,h1 emp1.hiredate%type,s1 emp1.sal%type,

c1 emp1.comm%type,d1 emp1.deptno%type);

procedure del1(e1 emp1.empno%type);

procedure noe1(d emp.deptno%type);

end emppack;

**Package Body:**

create or replace package body emppack is

procedure ins2(e1 emp1.empno%type,en emp1.ename%type,j1 emp1.job%type,

m1 emp1.mgr%type,h1 emp1.hiredate%type,s1 emp1.sal%type,

c1 emp1.comm%type,d1 emp1.deptno%type) is

begin

insert into emp1 values(e1,en,j1,m1,h1,s1,c1,d1);

end ins2;

procedure del1(e1 emp1.empno%type) is

begin

delete from emp1 where empno=e1;

end del1;

procedure noe1(d emp.deptno%type) is

c number(2);

begin

select count(empno) into c from emp where deptno=d;

dbms\_output.put\_line(c);

end noe1;

end emppack;

Procedure

1.Write a procedure to update salary of given employee by 10%

2. Write a procedure to count number of students taken the given course

3.Write a procedure to list the number courses taken by the given instructor

4. Write a procedure to find the sum of salaries of employees belongs to given department name

Functions

* 1. Write a function to find the given number is palindrome or not
  2. Write a function to count number of students taken the given course
  3. Write a function to average salary of the given department
  4. Write a function to find the employees working under given manager

Create a student package which find the total courses, total credits ,name of the course opted by the student