

Program to display the list of Employees and Total Salary Department wise.

INPUT:

```
declare
cursor c1 is select * from dept;
cursor c2 is select * from emp;
s emp.sal%type;

begin
for i in c1
loop
s:=0;
dbms_output.put_line('-----');
dbms_output.put_line('Department is : ' || i.deptno || ' Department name is: ' ||
i.dname);
dbms_output.put_line('-----');
for j in c2
loop
if ( i.deptno=j.deptno) then
s:=s+j.sal;
dbms_output.put_line(j.empno|| "|| j.ename || "|| j.sal );
end if;
end loop;
dbms_output.put_line('-----');
dbms_output.put_line('Total salary is:  '|| s);
dbms_output.put_line('-----');
end loop;
end;
```

PL/SQL Block Using CURSOR TO Find EMPLOYEE WITH GIVEN JOB AND DEPTNO

```
declare
cursor c1(j varchar2,dn number) is select empno,ename from emp where job=j and
deptno=dn;

row1 emp%rowtype;
jb emp.job%type;
```

```
d emp.deptno%type;
```

```
begin
```

```
jb:='&jb';
```

```
d:=&d;
```

```
open c1(jb,d);
```

```
fetch c1 into row1.empno,row1.ename;
```

```
if c1%notfound then
```

```
dbms_output.put_line('Employee does not exist');
```

```
else
```

```
dbms_output.put_line('empno is:'||row1.empno||" ||'employee name  
is:'||row1.ename);
```

```
end if;
```

```
end;
```

Write a Cursor to display the list of employees who are working as a Managers or Analyst

INPUT:

```
declare
cursor c(jb varchar2) is select ename from emp where job=jb;
em emp.job%type;
begin
open c('MANAGER');
dbms_output.put_line(' EMPLOYEES WORKING AS MANAGERS ARE:');
loop
fetch c into em;
exit when c%notfound;
dbms_output.put_line(em);
end loop;
close c;
open c('ANALYST');
dbms_output.put_line(' EMPLOYEES WORKING AS ANALYST ARE:');
loop
fetch c into em;
exit when c%notfound;
dbms_output.put_line(em);
end loop;
close c;
end;
```

write a Cursor to display List of Employees from Emp Table in PL/SQL block

```
declare
cursor c is select empno,ename,deptno,sal from emp ;
i emp.empno%type;
j emp.ename%type;
k emp.deptno%type;
l emp.sal%type;
begin
open c;
dbms_output.put_line('Empno,name,deptno,salary of employees are:= ');
loop
fetch c into i,j,k,l;
exit when c%notfound;
dbms_output.put_line(i||"||j||"||k||"||l);
end loop;
close c;
end;
```

- 1. Write a PL/SQL program to list employee names whose salary is more than their Manager (to whom they report) salary**

```
declare
    cursor c1 is
        select e1.ename,e1.sal,e2.ename,e2.sal from emp e1,
            emp e2 where e1.mgr=e2.empno and e1.sal>e2.sal;
    e1 emp.ename%type;
    e2 emp.sal%type;
    e3 emp.ename%type;
    e4 emp.sal%type;
begin
    open c1;
    loop
        fetch c1 into e1,e2,e3,e4;
        exit when c1%notfound;
        dbms_output.put_line(e1||'---'||e2||'---'||e3||'---'||e4);
    end loop;
    close c1;
end;
```

- 2. Write a PL/SQL program to display TOP 3 earners of the company (list names & Salary).**

```
declare
    ena emp.ename%type;
    sa emp.sal%type;
    cursor c1 is
        select ename,sal from emp order by sal desc;
begin
    open c1;
    loop
        fetch c1 into ena,sa;
        exit when c1%rowcount>3;
        dbms_output.put_line(ena||'.....'||sa);
    end loop;
    close c1;
end;
```

- 3. List employee names and their total salary (sal+comm.) in words.**

```
declare
    cursor c is
        select ename,sal,comm from emp;
    en emp.ename%type;
    s1 emp.sal%type;
    c1 emp.comm%type;
```

```

        word1 words.word%type;
        i number;
begin
    open c;
    loop
        fetch c into en,s1,c1;
        exit when c%notfound;
        dbms_output.put(en);
        if c1 is null then
            c1:=0;
        end if;
    for i in 1..length(s1+c1)
        loop
            select word into word1 from words where
            no=substr((s1+c1),i,1);
            dbms_output.put(word1);
        end loop;
        dbms_output.put_line(' ');
    end loop;
    close c;
end;

```

**4. List empname, manager name chain for each employee as follows
SMITH -----FORD ----- JONES ----- KING**

```

declare
    cursor c1 is
        select empno,ename,mgr from emp;
    eno emp.empno%type;
    mno emp.mgr%type;
    ena emp.ename%type;

begin
    dbms_output.put_line('emp names and manager chain');
    dbms_output.put_line('king');
    for m in c1 loop
        eno:=m.empno;
        mno:=m.mgr;
        while mno is not null
            loop
                select ename into ena from emp where empno=eno;
                dbms_output.put(ena);
                select mgr into mno from emp where empno=eno;
                eno:=mno;
            end loop;
            dbms_output.put_line(' ');
        end loop;
    end loop;
end;

```

```
end loop;  
end;
```