ADBMS assignment 6

Write and implement PL/SQL cursors.

1. **Write and Implement PL/SQL cursor to display details like employee name, their designation and salary of those employee whose salary is greater than 20000 from employee table.**

```
Set serveroutput on;
Declare
cursor employee is
select name,designation from emp4 where salary>20000;
empname emp4.name%type;
desg emp4.designation%type;
Begin
open employee;
loop
fetch employee into empname,desg;
exit when employee%notfound;
dbms_output.put_line('Employee name: '||empname);
dbms_output.put_line('Designation: '||desg);
end loop;
close employee;
end;
```

Script Output | Task completed in 0.003 seconds

```
1 rows inserted.
1 rows inserted.
anonymous block completed
anonymous block completed
Employee name: Hh
Designation: Developer
Employee name: Han
Designation: Team leader
Employee name: HBC
Designation: manager
```

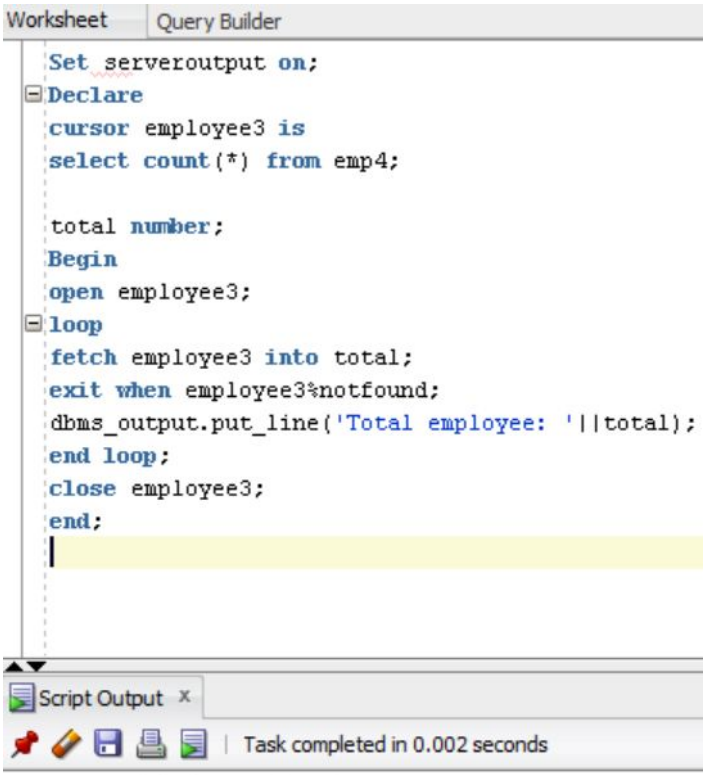
2. **Write and Implement PL/SQL cursor to display details like employee name, their designation of those employees whose experience is more than 35 years.**

```
Set serveroutput on;
Declare
cursor employee2 is
select name,designation,experience from emp4 where experience>35;
empname emp4.name%type;
desg emp4.designation%type;
exp emp4.experience%type;
Begin
open employee2;
loop
fetch employee2 into empname,desg,exp;
exit when employee2%notfound;
dbms_output.put_line('Employee name: '||empname);
dbms_output.put_line('Designation: '||desg);
dbms_output.put_line('Experience: '||exp);
end loop;
close employee2;
end;
```

Script Output | Task completed in 0.008 seconds

```
*Action:
anonymous block completed
anonymous block completed
Employee name: Hh
Designation: Developer
Experience: 36
Employee name: Han
Designation: Team leader
Experience: 43
```

3. **Write a cursor to count the number of employees from emp table.**

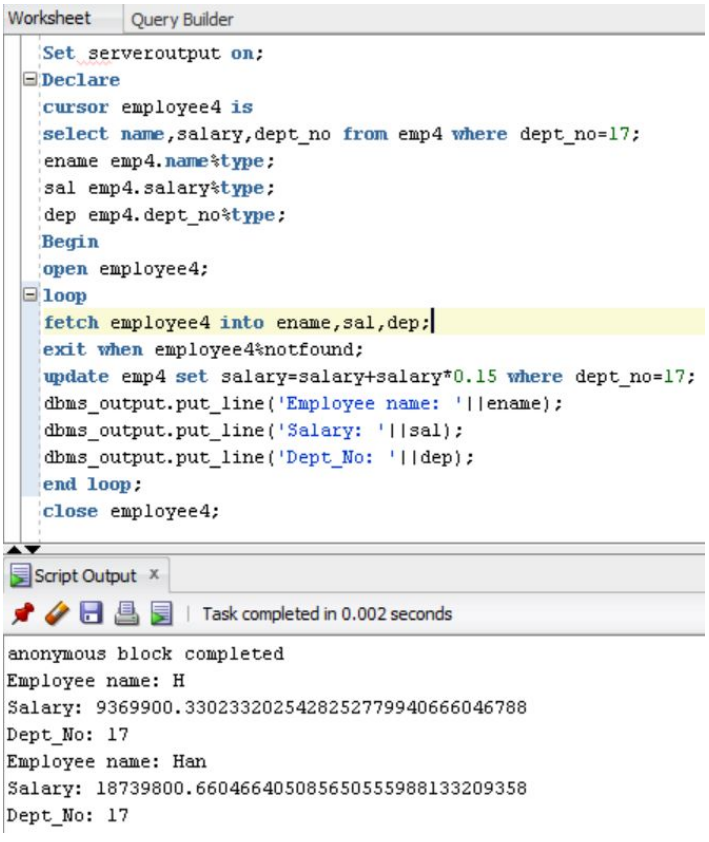


```
Worksheet  Query Builder
Set serveroutput on;
Declare
cursor employee3 is
select count(*) from emp4;

total number;
Begin
open employee3;
loop
fetch employee3 into total;
exit when employee3%notfound;
dbms_output.put_line('Total employee: '||total);
end loop;
close employee3;
end;
```

```
Script Output
Task completed in 0.002 seconds
anonymous block completed
Total employee: 11
```

4. **Create a PL/SQL cursor to increase salary of employees in department**



```
Worksheet  Query Builder
Set serveroutput on;
Declare
cursor employee4 is
select name,salary,dept_no from emp4 where dept_no=17;
ename emp4.name%type;
sal emp4.salary%type;
dep emp4.dept_no%type;
Begin
open employee4;
loop
fetch employee4 into ename,sal,dep;
exit when employee4%notfound;
update emp4 set salary=salary+salary*0.15 where dept_no=17;
dbms_output.put_line('Employee name: '||ename);
dbms_output.put_line('Salary: '||sal);
dbms_output.put_line('Dept_No: '||dep);
end loop;
close employee4;
```

```
Script Output
Task completed in 0.002 seconds
anonymous block completed
Employee name: H
Salary: 9369900.330233202542825277994066604678 8
Dept_No: 17
Employee name: Han
Salary: 18739800.660466405085650555988133209358
Dept_No: 17
```