**PLSQL EXERCISE**

1. Write a PL/SQL code to retrieve the employee name, join\_date, and designation from employee database of an employee whose number is input by the user.

declare

e\_no emp.empno%type :=:Enter\_Emp\_no;

e\_name emp.ename%type;

joindate emp.hiredate%type;

e\_job emp.job%type;

begin

select ename,hiredate,job into e\_name,joindate,e\_job from emp where empno = e\_no;

dbms\_output.put\_line('Name: '||e\_name);

dbms\_output.put\_line('Joindate: '||joindate);

dbms\_output.put\_line('Job: '||e\_job);

end;

1. Write the Code to input the dept’s no and print the total emp’s and sum of salary with in that dept.

declare

d\_no emp.deptno%type:=:Enter\_DNO;

total emp.deptno%type;

salary emp.sal%type;

begin

select count(deptno),sum(sal) into total,salary from emp where deptno = d\_no group by deptno;

dbms\_output.put\_line('Total\_Emp: '||total);

dbms\_output.put\_line('Total\_salary: '||salary);

end;

1. Write a PL/SQL code block to calculate the area of the circle for a value of radius of 8.

declare

r number(5):=8;

area varchar(8);

begin

area:=3.1416\*r\*r;

dbms\_output.put\_line('Area: '||area);

end;

1. Update the commission’s to 1200 for the manager who get the minimum salary using PLSQL program.(Manager is a job)

declare

e\_no emp.empno%type;

begin

select empno into e\_no from emp where job = 'MANAGER' and sal = (select min(sal) from emp where job = 'MANAGER');

update emp set comm = 1200 where empno = e\_no;

end;

1. Insert a new department HR in the location of Texas where the department no will be the current maximum department no+10.

declare

d\_no dept.deptno%type;

d\_name dept.dname%type:='HR';

d\_loc dept.loc%type:='Texas';

begin

select max(deptno) into d\_no from dept;

insert into dept(deptno,dname,loc) values (d\_no+10,d\_name,d\_loc);

end;

1. Create a program which will take the empno of an employee and will return the updated salay after increament. The increament will take place based on the experience.

|  |  |
| --- | --- |
| **Experience** | **Increament** |
| >7 years | 5% |
| 5 to 7 years | 7% |
| 3 to 5 years | 10% |
| <3 years | 12% |

Finally, we have to update the salary in the emp table.

declare

e\_no emp.empno%type:=:Enter\_id;

e\_sal emp.sal%type;

e\_date emp.empno%type;

begin

select months\_between(sysdate,hiredate),sal into e\_date,e\_sal from emp where empno=e\_no;

if e\_date/12>7 then

e\_sal:=e\_sal+(e\_sal\*0.05);

elsif e\_date/12>=5 and e\_date/12<=7 then

e\_sal:=e\_sal+(e\_sal\*0.07);

elsif e\_date/12>=3 and e\_date/12<5 then

e\_sal:=e\_sal+(e\_sal\*0.10);

else

e\_sal:=e\_sal+(e\_sal\*0.12);

end if;

update emp set sal=e\_sal where empno = e\_no;

end;