**Day5**

**Assignments**

**----------------------------------PL/SQL-----------------------------------------------------**

1. **declare SQL\*Plus number host variable h\_1, Create a block that declares one number variable v\_1 and Selects maximum department number in v\_1 , then assign this value to the host variable h\_1 . Print the value of h\_1 using pl/sql using (dbms\_output). Print the h\_1 value using sql plus command.**

variable h\_1 number;

declare

v\_1 emp.empno%type;

begin

select max(deptno) into v\_1 from emp;

:h\_1 := v\_1;

dbms\_output.put\_line(v\_1);

dbms\_output.put\_line(:h\_1);

end;

/

print :H\_1;

1. **Create a block that declares one variable v\_1 (data type is as column deptno in table emp) with initial value of 20. In the executable section, increase the salaries of employees in the department number v\_1. Print the number of rows affected.**

declare

v\_1 emp.deptno%type :=20;

begin

update emp

set sal=sal+v\_1;

where deptno=v\_1;

dbms\_output.put\_line(sql%ROWCOUNT||' rows affected');

end;

/

1. **Accept employee number as a user input with sql\*plus substitution variable,**

**if employee salary is less than 1000 set the commission amount of employee to 10%, if employee salary is between 1000 and 2000 set the commission amount of employee to 15%, if employee salary is greater than 2000 set the commission amount of employee to 20%**

declare

v\_empno emp.empno%type :=&empnumber;

v\_sal emp.sal%type;

begin

select sal into v\_sal from emp where empno=v\_empno;

if v\_sal<1000 then

update emp

set comm=.1\*v\_sal

where empno=v\_empno;

elsif v\_sal between 1000 and 2000 then

update emp

set comm=.15\*v\_sal

where empno=v\_empno;

elsif v\_sal>2000 then

update emp

set comm=.2\*v\_sal

where empno=v\_empno;

end if;

if sql%ROWCOUNT>0 then

dbms\_output.put\_line(sql%ROWCOUNT||' rows affected');

else

dbms\_output.put\_line('No rows affected');

end if;

end;

/

1. **Create table table1 (id number, salary number) .And then Create a block to insert values in table1 using a loop .ids is inserted incrementally starting with 1 , the salary is 1000 for an employee with an even id and is 2000 for an employee with an odd id .**

create table table1(id number, salary number);

declare

begin

for i in 1..10 loop

if mod(i,2)=0 then

insert into table1

values (i,1000);

else

insert into table1

values (i,2000);

end if;

end loop;

if sql%ROWCOUNT>0 then

dbms\_output.put\_line(sql%ROWCOUNT||' rows affected');

else

dbms\_output.put\_line('No rows affected');

end if;

end;

/

1. **Create a block that declares a record with the same structure as table emp, in the executable section, select the data of the employee number 7900 and print his name and salary.**

declare

rec emp%rowtype;

begin

select \* into rec from emp where empno=7900;

dbms\_output.put\_line(

'Name: '||rec.ename||', '||

'Salary: '||rec.sal

);

if sql%ROWCOUNT>0 then

dbms\_output.put\_line(sql%ROWCOUNT||' rows affected');

else

dbms\_output.put\_line('No rows affected');

end if;

end;

/