**Day4**

**Assignments**

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

1. **Dec/lare 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 number;**

**begin**

**select max(deptno) into v\_1 from dept ;**

**:h\_1 := 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 dept.deptno%type :=20 ;**

**begin**

**update emp**

**set sal=1.1\*sal**

**where deptno=v\_1;**

**DBMS\_OUTPUT.PUT\_LINE(sql%rowcount || ' row updates ');**

**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**

**id emp.empno%type;**

**salary emp.sal%type;**

**begin**

**id:=&&getnumber;**

**select sal into salary from emp where empno=id;**

**update emp**

**set comm= case when salary <1000 then .1\*salary**

**when salary between 1000 and 2000 then .15\*salary**

**else .2\*salary**

**end**

**where empno=&getnumber;**

**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 .**

**declare**

**--num number(5);**

**begin**

**for i in 1..10**

**loop**

**if mod(i,2)=0 then**

**insert into table1 values(i,1000);**

**elsif mod(i,2)=1 then**

**insert into table1 values(i,2000);**

**end if ;**

**end loop;**

**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**

**v emp%rowtype;**

**begin**

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

**DBMS\_OUTPUT.PUT\_LINE(v.ename);**

**DBMS\_OUTPUT.PUT\_LINE(v.sal);**

**end;**

**/**