***Assignment-9***

1. Using cursor display the details of all those employees from emp table whose sum of sal and comm. Is more than 25000;

SET SURVEROUTPUT ON

DECLARE

Vempno emp.empno%type;

Vename emp.ename%type;

Vsal emp.sal%type;

Vdeptno emp.deptno%type;

URSOR C1 is SELECT empno,ename,sal,deptno from emp

where sal+NVL(comm.,0) > 25000;

BEGIN

OPENC1;

LOOP

FETCH C1 INTO Vempno,Vname,Vsal, Vdeptno;

IF C1%FOUND THEN

Dbms\_output.put\_line(Vempno||’ ‘ || Vname||’ ‘ || Vsal ||’ ‘ ||Vdeptno);

ELSE

EXIT;

END IF;

END LOOP;

CLOSE C1;

END;

1. Write a block which uses a Cursor For Loop to select the five hightest earners from emp table and write their details to the message table which has the following three attributes:

EmpNumber, Name and Salary.

SET SURVEROUTPUT ON

DECLARE

CURSOR C2 IS SELECT empno, sal, ename from emp order by sal desc;

BEGIN

FOR record1 IN C1

LOOP

INSERT INTO message (EmpNumber, Name,Salary)

VALUES (record1.empno, record1.sal, record1.ename);

EXIT WHEN C1%ROWCOUNT=5;

END LOOP;

COMMIT;

END;

1. Create a table Emp\_sal\_inc that have three column (Emp\_id,Cur\_sal,Inc\_date).

Now write a PL/SQL block of code will allow 2% salary increment of all employee of Computer Science department. After that a record is to be inserted into the above table.

Create table emp\_sal

(emp\_id varchar2(8) Primary key,

cur\_sal number(7,2) NOT NULL;

inc\_date date NOT NULL

);

SET SURVEROUTPUT ON

DECLARE

inc number;

emp\_sal\_rec emp\_sal%ROWTYPE;

CURSOR cur is select \* from emp where deptno = (select deptno from dept

where dname LIKE ‘RESEARCH’);

BEGIN

FOR emp\_sal\_rec in cur

LOOP

inc := emp\_sal\_rec.sal\*1.02;

insert into emp\_sal values (emp\_sal\_rec.empno, inc, sysdate);

END LOOP;

END;

1. Write a PL/SQL block of code to update the location of specific department number that will be taken from

user. Display an appropriate message using SQL%FOUND based on existence of the record in the Department table and display an appropriate message using SQL%FOUND based on the non-existence of the record in Department Table.

DECLARE

dno number := &deptno;

BEGIN

update dept set loc =’KOLKATA’ where deptno = dno;

if (SQL%FOUND) then

DBMS\_OUTPUT.PUT\_LINE(‘Updated’);

else

DBMS\_OUTPUT.PUT\_LINE(‘Data NOT Found’);

end if;

END;

1. Write a PL/SQL block of code using your own exception handling that will show an error message whenever you want to insert a null value in a not null column.

SET SURVEROUTPUT ON

DECLARE

user\_error EXCEPTION;

PRAGMA EXECPTION\_INIT(user\_error, -0150);

BEGIN

insert into emp values( NULL, ‘Subir’, ‘REARCH’, 7900, ’12-MAY-2002’, 90000,1200,200);

EXECPTION

WHEN user\_error THEN

DBMS\_OUTPUT.PUT\_LINE (‘CANNOT INSERT NULL VALUES’);

END;