--Task1

DECLARE

CURSOR high\_salaries IS SELECT Name,Salary FROM EMPLOYEE where Salary > 30000;

v\_snum EMPLOYEE.NAME%TYPE;

v\_salary EMPLOYEE.salary%TYPE;

BEGIN

OPEN high\_salaries;

LOOP

FETCH high\_salaries INTO v\_snum,v\_salary;

EXIT when high\_salaries%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE(v\_snum ||' '|| v\_salary);

END LOOP;

CLOSE high\_salaries;

END;

Graphical user interface, text, application, email

Description automatically generated

--Task2

DECLARE

EMP EMPLOYEE%ROWTYPE;

BEGIN

SELECT \*

INTO EMP

FROM EMPLOYEE

WHERE Name like '%a%' AND Salary > 60000;

dbms\_output.put\_line('EMPLOYEE ID ------>'||EMP.Emp\_id||' EMPLOYEE NAME------>'||EMP.Name||' EMPLOYEE DEPT------>' ||Emp.DName||' ADDRESS ----->' ||EMP.Address||'

SALARY------->' ||

EMP.Salary);

END;

Graphical user interface, text, application, email

Description automatically generated

--Task3

DECLARE

num number;

BEGIN

SELECT count(\*) into num

FROM EMPLOYEE

WHERE SALARY < 60000;

dbms\_output.put\_line('NO oF Employees : '||num);

END;

Graphical user interface, text, application, email

Description automatically generated

--Task4

DECLARE

CURSOR TEST\_CURSOR IS SELECT Name,Address,Salary FROM EMPLOYEE WHERE Salary > 50000 AND ADDRESS = 'LHR';

Ename EMPLOYEE.Name%TYPE;

Aaddress EMPLOYEE.Address%TYPE;

Ssalary EMPLOYEE.Salary%TYPE;

BEGIN

OPEN TEST\_CURSOR;

LOOP

FETCH TEST\_CURSOR INTO Ename,Aaddress,Ssalary;

EXIT when TEST\_CURSOR%NOTFOUND;

dbms\_output.put\_line('Employee Name----->'||Ename|| ' Employee Address---->' ||Aaddress || ' Employee Salary----->' || Ssalary);

END LOOP;

END;

Graphical user interface, text, application, email

Description automatically generated

--Task5

DECLARE

CURSOR AVvG IS SELECT Name,Address,Salary FROM EMPLOYEE WHERE Salary > ((select AVG(Salary) from EMPloyee));

EName EMPLOYEE.Name%TYPE;

Eaddress EMPLOYEE.Address%TYPE;

Esal EMPLOYEE.Salary%TYPE;

BEGIN

OPEN AVvG;

LOOP

FETCH AVvG INTO EName,Eaddress,Esal;

EXIT when AVvG%NOTFOUND;

dbms\_output.put\_line('Name----->'||EName|| ' Address----->' ||Eaddress|| ' Salary----->' ||Esal);

END LOOP;

END;

Graphical user interface, text, application, email

Description automatically generated

--Task6

DECLARE

CURSOR D\_MGS IS SELECT Name,Address,Salary FROM EMPLOYEE WHERE Salary > 3500 AND DName = 'MGS';

Ename EMPLOYEE.Name%TYPE;

Eaddress EMPLOYEE.Address%TYPE;

Esal EMPLOYEE.Salary%TYPE;

BEGIN

OPEN D\_MGS;

LOOP

FETCH D\_MGS INTO Ename,Eaddress,Esal;

EXIT when D\_MGS%NOTFOUND;

dbms\_output.put\_line(Ename|| ' ' ||Eaddress || ' ' ||Esal);

END LOOP;

END;

Graphical user interface, text, application, email

Description automatically generated

--Task7

DECLARE

CURSOR cur\_display( MAX(SALARY) NUMBER) IS

SELECT \* FROM EMPLOYEE WHERE salary < MAX(SALARY);

Ename EMPLOYEE.Name%TYPE;

Eadd EMPLOYEE.Address%TYPE;

BEGIN

OPEN cur\_display(3500);

LOOP

FETCH D\_MGS INTO cur\_display;

FETCH D\_MGS INTO Ename,Eadd;

EXIT WHEN cur\_display%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE(|| ' ' ||D\_MGS.sal);

END LOOP;

CLOSE cur\_display;

END;

--Part --2

--Task1

declare

a number:=1;

b number:=0;

rem number;

begin

dbms\_output.put\_line('First Number Number : '||a);

dbms\_output.put\_line('Second Number Number : '||b);

while a > 0

loop

rem:=mod(a,10);

b:=(b\*10)+rem;

a:=trunc(a/10);

end loop;

dbms\_output.put\_line('First Number : '||a);

dbms\_output.put\_line('Second Number : '||b);

end;

Graphical user interface, text, application

Description automatically generated

--Task2

declare

a number:=153;

b number;

c number:=0;

re number;

begin

dbms\_output.put\_line('Original Number : '||a);

b:=a;

while a>0

loop

re:=mod(a,10);

b:=b+re\*re\*re;

a:=trunc(a/10);

end loop;

if(b=c)

then

dbms\_output.put\_line('YES Armstrong');

else

dbms\_output.put\_line('Not Armstrong');

end if;

end;

Graphical user interface, text, application

Description automatically generated

--Task3

Declare

mi NUMBER := 0;

ma NUMBER :=0;

BEGIN

SELECT MIN(Salary)

INTO mi

FROM EMPLOYEE;

DBMS\_OUTPUT.put\_line('The Minimum Salary is : '||mi);

SELECT MAX(Salary)

INTO ma

FROM EMPLOYEE;

DBMS\_OUTPUT.put\_line('The Maximum Salary is: '||ma);

END;  
Text

Description automatically generated