DATABASE LAB 7

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**Q1:**

​SET SERVEROUTPUT ON

DECLARE

num1 INTEGER:=&num1;

num2 INTEGER:=&num2;

sum1 INTEGER;

BEGIN

sum1:=num1+num2;

DBMS\_OUTPUT.PUT\_LINE ('sum = '||sum1);

END;

**Q2:**

set serveroutput on

declare

lower number;

upper number;

i number;

sum1 number:=0;

begin

lower:=&lower;

upper:=&upper;

for i in lower..upper

loop

sum1:=sum1+i;

end loop;

dbms\_output.put\_line('Sum='||sum1);

end;

**Q3:**

select \* from HR.DEPARTMENTS;

DECLARE

empid NUMBER(5);

variable\_1 VARCHAR(25);

variable\_2 DATE;

variable\_3 VARCHAR(25);

variable\_4 NUMBER(5);

BEGIN

empid:=&empid;

dbms\_output.put\_line(empid);

SELECT FIRST\_NAME,HIRE\_DATE,DEPARTMENT\_NAME,EMPLOYEE\_ID INTO variable\_1 ,variable\_2,variable\_3,variable\_4

FROM HR.EMPLOYEES e, HR.DEPARTMENTS d

WHERE EMPLOYEE\_ID=empid AND e.DEPARTMENT\_ID=d.DEPARTMENT\_ID;

dbms\_output.put\_line('First Name:' || variable\_1);

dbms\_output.put\_line('Hire Date:' || variable\_2);

dbms\_output.put\_line('Department Name:' || variable\_3);

END;

**Q4:**

SET SERVEROUTPUT ON

DECLARE

num1 INTEGER;

num2 INTEGER;

remm INTEGER;

powerr INTEGER:=10;

num3 INTEGER;

begin

num1:=&num1;

num3:=num1;

remm:=mod(num1,10);

num2:=remm;

num1:=num1/10;

while num1 != 0

loop

remm:=mod(num1,10);

num2:=num2\*powerr;

num2:=num2+remm;

num1:=num1/10;

end loop;

dbms\_output.put\_line(num2);

if num3 = num2

then

dbms\_output.put\_line('true');

else

dbms\_output.put\_line('false');

end if;

end;

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**Q5:**

set serveroutput on

declare

empno HR.EMPLOYEES.EMPNO%TYPE;

ename HR.EMPLOYEES .ename%TYPE;

job HR.EMPLOYEES.job%TYPE;

mgr HR.EMPLOYEES.mgr%TYPE;

hiredate HR.EMPLOYEES.hiredate%TYPE;

sal HR.EMPLOYEES.sal%TYPE;

comm HR.EMPLOYEES.comm%TYPE;

deptno HR.EMPLOYEES.deptno%TYPE;

dname HR.EMPLOYEES.dname%TYPE;

loc HR.EMPLOYEES.loc%TYPE;

begin

empno:=&empno;

ename:='&ename';

job:='&job';

mgr:=&mgr;

hiredate:='&hiredate';

sal:=&sal;

comm:=&comm;

deptno:=&deptno;

dname:='&dname';

loc:='&loc';

INSERT INTO HR.EMPLOYEES VALUES (empno,ename,job,mgr,hiredate,sal,comm,deptno);

INSERT INTO HR.DEPARTMENT VALUES (deptno,dname,loc);

end;

**Q6:**

set serveroutput on

declare

cursor cur2 IS

select e.empno, e.ENAME,m.mgr from hr.employees e,hr.employees m where e.sal>2500 and e.empno=m.mgr and m.empno=7499;

begin

for index1 in cur2

loop

dbms\_output.put\_line(index1.empno||' '||index1.ename);

end loop;

end;

**Q7:**

SET SERVEROUTPUT ON

DECLARE

i INTEGER;

sum1 INTEGER:=0;

BEGIN

FOR i IN 1..100

LOOP

sum1:=sum1+i;

END LOOP;

DBMS\_OUTPUT.PUT\_LINE('SUM= ' || sum1);

END;

**Q8:**

select \* from hr.employees;

CREATE VIEW EMPLOYEE AS

SELECT \*

FROM HR.EMPLOYEES

WHERE JOB\_ID='FI\_ACCOUNT';

**Q9:**

SET SERVEROUTPUT ON;

DECLARE

v\_name VARCHAR2(30);

CURSOR cur\_emp IS

SELECT first\_name FROM hr.employees

WHERE salary>2000;

BEGIN

OPEN cur\_emp;

LOOP

FETCH cur\_emp INTO v\_name;

DBMS\_OUTPUT.PUT\_LINE(v\_name);

EXIT WHEN cur\_emp%NOTFOUND;

END LOOP;

CLOSE cur\_emp;

END;

/

SELECT \* FROM HR.EMPLOYEES;

**Q11:**

SET SERVEROUTPUT ON

CREATE OR REPLACE PROCEDURE sum2 IS

num1 INTEGER;

num2 INTEGER;

sum11 INTEGER:=0;

BEGIN

num1:=&num1;

num2:=&num2;

sum11:=num1+num2;

DBMS\_OUTPUT.PUT\_LINE ('sum = '||sum11);

END sum2;

begin

sum2;

end;

**Q10:**

SET SERVEROUTPUT ON;

DECLARE

v\_name VARCHAR2(30);

i INTEGER;

CURSOR cur\_emp IS

SELECT first\_name FROM hr.employees;

BEGIN

OPEN cur\_emp;

for i in (select rownum from hr.employees where rownum<=10)

LOOP

FETCH cur\_emp INTO v\_name;

DBMS\_OUTPUT.PUT\_LINE(v\_name);

EXIT WHEN cur\_emp%NOTFOUND;

END LOOP;

CLOSE cur\_emp;

END;

/

SELECT \* FROM HR.EMPLOYEES;