**PL/SQL**

Enter user-name: c23mca004@oracle

Enter password:mca

1. Write a Pl/SQL program to Q \*Hellow world

Code

SQL> SET SERVEROUTPUT ON;

SQL> DECLARE

2 message varchar2(20):='Hello world';

3 BEGIN

4 dbms\_output.put\_line(message);

5 END;

6 /

Hello world

PL/SQL procedure successfully completed.

1. Write a PL/SQL block to find the maximum number from the given three numbers

Code

SQL> DECLARE

2 a number;

3 b number;

4 c number;

5 begin

6 a:=&a;

7 b:=&b;

8 c:=&c;

9 if(a>b and a>c)then

10 dbms\_output.put\_line('a is maximum'||a);

11 elsif(b>a and b>c)then

12 dbms\_output.put\_line('b is maximum'||b);

13 else

14 dbms\_output.put\_line('c is maximum'||c);

15 end if;

16 end;

17 /

Enter value for a: 4

old 6: a:=&a;

new 6: a:=4;

Enter value for b: 2

old 7: b:=&b;

new 7: b:=2;

Enter value for c: 5

old 8: c:=&c;

new 8: c:=5;

c is maximum5

PL/SQL procedure successfully completed.

1. Write a Pl/SQL program to print integers from 1 to 10 by using PL/SQL FOR loop

Code

DECLARE

n\_times NUMBER:=10;

BEGIN

FOR n\_i IN 1..n\_times LOOP

DBMS\_OUTPUT.PUT\_LINE(n\_i);

END LOOP;

END;

/

SQL> set serveroutput on;

SQL> @C:\Users\student.MCALAB\Desktop\Aditya\SEM2\DBMS\PLSQL.sql

SP2-0310: unable to open file "C:\Users\student.MCALAB\Desktop\Aditya\SEM2\DBMS\PLSQL.sql"

SQL> @C:\Users\student.MCALAB\Desktop\Aditya\SEM2\DBMS\PLSQL3.sql

1

2

3

4

5

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7

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9

10

PL/SQL procedure successfully completed.

1. Write a program to accept a number and find the sum of the digits

Code

declare

n number(5):=&n;

s number:=0;

r number(2):=0;

begin

while n!=0

loop

r:=mod(n,10);

s:=s+r;

n:=trunc(n/10);

end loop;

dbms\_output.put\_line('sum of digits of given numbers is '||s);

end;

/

SQL> set serveroutput on;

SQL> @C:\Users\student.MCALAB\Desktop\Aditya\SEM2\DBMS\plsql4.sql

Enter value for n: 234

old 2: n number(5):=&n;

new 2: n number(5):=234;

sum of digits of given numbers is 9

PL/SQL procedure successfully completed.

1. Find the greatest number of inputs from the console.

Code

declare

a number(2):=&value\_of\_a;

b number(2):=&value\_of\_b;

begin

if a<b then

dbms\_output.put\_line('smaller value is '||a);

elsif a>b then

dbms\_output.put\_line('smaller value is '||b);

else

dbms\_output.put\_line('both no are equal');

end if;

END;

/

1. Reading the values from Employee1 table.

Code

SQL>Create table employee(ssn number(2),fname varchar(20),lname varchar(20),salary number(38));

Table created.

SQL> Insert into employee1 values(1,’amrutha’,’biju’,75000);

1 row created.

SQL> Insert into employee1 values(2,’amMU’,’bABu’,75000);

1 row created.

SQL> Insert into employee1 values(3,’aleena’,’merry’,75000);

1 row created.

SQL> Insert into employee1 values(4,’anna’,’lukos’,75000);

1 row created.

SQL> select \* from employee1;

SSN FNAME LNAME SALARY

---------- -------------------- -------------------- ----------

1 amrutha biju 75000

2 amMU bABu 75000

3 aleena merry 75000

4 anna lukos 75000

Declare

v\_name employee1.fname%type;

v\_lname employee1.lname%type;

v\_sal employee1.salary%type;

Begin

select fname,lname,salary

into v\_name, v\_lname, v\_sal

from employee1

where ssn =3;

dbms\_output.put\_line('fname'||' '||'lname'||' '||'salary');

dbms\_output.put\_line(v\_name||' '||v\_lname||' '||v\_sal);

End;

/

SQL> set serveroutput on;

SQL> @C:\Users\student.MCALAB\Desktop\Aditya\SEM2\DBMS\plsql6.sql

fname lname salary

aleena merry 75000

PL/SQL procedure successfully completed.

**SET-9**

SQL> create table stud\_file(sid number, name varchar(20), m1 number, m2 number);

Table created.

SQL> insert into stud\_file values(1,'anu',40,45);

1 row created.

SQL> insert into stud\_file values(3,'cini',30,45);

1 row created.

SQL> insert into stud\_file values(4,'dini',30,25);

1 row created.

SQL> set serveroutput on;

SQL> @C:\Users\student.MCALAB\Desktop\Aditya\SEM2\DBMS\set9q1.sql

Total marks of student anu with id 1 is:85

PL/SQL procedure successfully completed.



