

WORKSHEET3.1

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Branch: CSE

Section/Group: 709A

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Subject Name: DBMS Lab

Subject Code: 20CSP-215

Q1.

Question 1

5 Points

Create a procedure in PLSQL to display the count of employees having department as "Marketing".

(Table needs to be created as per requirement of the question.)

Note: Paste the code for table creation also along with the procedure code.

1) Aim/Overview of the practical:

To create a procedure in PLSQL to display the count of employees having department as "Marketing".

2) Software required:

Oracle Live SQL

3) Source Code (screenshot of the query executed):

```
CREATE TABLE EMPLOYEE  
(  
  ID INTEGER,  
  FNAME VARCHAR(20),  
  LNAME VARCHAR(20),  
  GENDER CHAR(1),  
  SALARY INTEGER,  
  dept varchar(20)  
);
```

```
1 Select * from EMPLOYEE
```

ID	FNAME	LNAME	GENDER	SALARY	DEPT
2	VAISHALI	KUMARI	F	50000	ADVISOR
3	ROHAN	DAS	M	40000	MANAGER
4	RAHUL	SINGH	M	45000	MARKETING
6	PAWAN	KUMAR	M	25000	STAFF
7	KISHAN	YADAV	M	30000	R&D
1	ROHIT	KUMAR	M	30000	MANAGEMENT
5	DANEIL	STARK	M	50000	MARKETING

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7 rows selected.

```
1 CREATE OR REPLACE PACKAGE EMP AS
2   PROCEDURE find_dept(e_dept employee.dept%type);
3 END EMP;
4
5
6 CREATE OR REPLACE PACKAGE BODY EMP AS
7
8   PROCEDURE find_dept(e_dept employee.dept%TYPE) IS
9     emp employee.fname%TYPE;
10  BEGIN
11    SELECT COUNT(*)
12    INTO emp
13    FROM EMPLOYEE
14    WHERE dept='MARKETING';
15
16    dbms_output.put_line('Employees having department as "Marketing" are: '|| emp);
17  END find_dept;
18
19  END emp;
20
21  declare
22    dept1 varchar(20);
23  begin
24    emp.find_dept(dept1);
25  end;
26
```

Statement processed.
Employees having department as "Marketing" are: 2

4. Final Result/Output (after removing the errors): (Screenshot of output without any error)

```
Statement processed.  
Employees having department as "Marketing" are: 2
```

Learning outcomes (What I have learnt):

1.

Q2.

Question 2

5 Points

Write a function to calculate fibonacci series in PLSQL.

1) Aim/Overview of the practical:

To write a function to calculate fibonacci series in PLSQL.

2) Software required:

Oracle Live SQL

3) Source Code (screenshot of the query executed):

```
1 declare
2 first number:=0;
3 second number:=1;
4 third number;
5 n number:= 10;
6 i number;
7
8 begin
9 dbms_output.put_line('Fibonacci series is:');
10 dbms_output.put_line(first);
11
12 for i in 2..n
13 loop
14 third:=first+second;
15 first:=second;
16 second:=third;
17 dbms_output.put_line(third);
18 end loop;
19 end;
20 /
```

Statement processed.
Fibonacci series is:
0
1
2
3
5
8
13
21
34
55

4. Final Result/Output (after removing the errors): (Screenshot of output without any error)

```
Statement processed.  
Fibonacci series is:  
0  
1  
2  
3  
5  
8  
13  
21  
34  
55
```

Learning outcomes (What I have learnt):

1.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			