

WORKSHEET 1.3

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Branch: CSE

Section/Group: 6B

Semester: 3rd

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Subject Name: DBMS Lab

Subject Code: 20CSP-215

Q1.

1) Aim/Overview of the practical:

To write a PL/SQL program to find area and perimeter of rectangle.

2) Software required:

Oracle Live SQL

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

SQL Worksheet

```
1  DECLARE
2
3  l NUMBER(4, 2) := 3;
4
5  b NUMBER(4, 2) := 7;
6
7  a NUMBER(4, 2);
8
9  p NUMBER(4, 2);
10 BEGIN
11
12  a := l * b;
13  p := 2 * (l + b);
14
15  dbms_output.Put_line('Area of the rectangle is '
16  || a);
17  dbms_output.Put_line('Perimeter of the rectangle is '
18  || p);
19 END;
20
```

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

```
Statement processed.  
Area of the rectangle is 21  
Perimeter of the rectangle is 20
```

Learning outcomes (What I have learnt):

1.How to use area function.

Q2.

1) Aim/Overview of the practical:

To write a PL/SQL program to SWAP two numbers with and without using temporary variable.

2) Software required:

Oracle Live SQL

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

SQL Worksheet

```
1 declare
2   num1 number;
3   num2 number;
4   temp number;
5
6 begin
7   num1:=5;
8   num2:=10;
9
10  dbms_output.put_line('number before swapping:');
11  dbms_output.put_line('num1='||num1||' num2='||num2);
12
13  temp:=num1;
14  num1:=num2;
15  num2:=temp;
16
17  dbms_output.put_line('after swapping:');
18  dbms_output.put_line('num1='||num1||' num2='||num2);
19
20 end;
```

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

```
Statement processed.  
number before swapping:  
num1=5 num2=10  
after swapping:  
num1=10 num2=5
```

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.			