



#### **WORKSHEET 2.1**

**Student Name: Rajiv Paul** 

Branch: CSE Semester: 3rd

**Subject Name:DBMS Lab** 

**UID: 20BCS1812** 

Section/Group: 709A

Date of Performance: 25/10/2021

**Subject Code: 20CSP-215** 

**Q1.** 

#### Question 1

5 Points

Write a program in PL/SQLto update the salary of a specific employee by 10% if the salary exceeds themid range of the salary against this job and update up to mid range if thesalary is less than the mid range of the salary, and display a suitable messagefor users.

#### 1) Aim/Overview of the practical:

To write a program in PL/SQL to update the salary of a specific employee by 10% if the salary exceeds themid range of the salary against this job and update up to mid range if thesalary is less than the mid range of the salary, and display a suitable message for users.







2) Software required:

**Oracle Live SQL** 

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

```
DECLARE
  emp_min_salary NUMBER(6,0);
  emp_mix_salary NUMBER(6,0);
emp_mid_salary NUMBER(6,0);
emp_mid_salary EMPLOYEES.SALARY%TYPE;
tmp_emp_id EMPLOYEES.EMPLOYEE_ID%TYPE := 167;
tmp_emp_name EMPLOYEES.FIRST_NAME%TYPE;
BEGIN
  SELECT min_salary,
          max_salary
  INTO emp_min_salary,
        emp_max_salary
  FROM JOBS
  WHERE JOB_ID = (SELECT JOB_ID
                     FROM EMPLOYEES
                    WHERE EMPLOYEE_ID = tmp_emp_id);
  emp_mid_salary := (emp_min_salary + emp_max_salary) / 2;
  SELECT salary,first_name
   INTO tmp_salary,tmp_emp_name
  FROM employees
  WHERE employee_id = tmp_emp_id;
```





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

Statement processed.

The employee Rahul ID 201 works in salary 5000 which is lower than mid-range of salary

#### Learning outcomes (What I have learnt):

1.







**Q2.** 



#### 1) Aim/Overview of the practical:

To write a PL/SQL program to identify whether a character entered by user is letter or digit.

### 2) Software required:

**Oracle Live SQL** 





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

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

```
Statement processed.
The given character is a letter
```







### 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.			

