

P5 - PL-SQL Block

Problem Statement: Write a PL/SQL Block to increase the salary of employees by 10% of existing salary, who are having salary less than average salary of organization, whenever such salary updates take place, a record for same is maintained in the increment_salary table. emp(emp_no, salary) increment_salary(emp_no, salary)

Creating tables:

```
CREATE TABLE emp(  
    emp_no NUMBER(14),  
    salary NUMBER(14)  
);  
  
CREATE table increment_salary(  
    emp_no NUMBER(14),  
    salary NUMBER(14)  
);
```

Inserting values:

```
INSERT INTO emp VALUES (1, 1000);  
INSERT INTO emp VALUES (2, 8000);  
INSERT INTO emp VALUES (3, 2000);  
INSERT INTO emp VALUES (4, 5000);  
INSERT INTO emp VALUES (5, 7000);
```

Procedure

```
DECLARE  
    avg_salary NUMBER(14, 4);  
BEGIN  
    SELECT AVG(salary) INTO avg_salary FROM emp;  
    FOR emp_record IN (select emp_no, salary FROM emp WHERE salary < avg_salary)  
    LOOP  
        insert into increment_salary(emp_no, salary) values (emp_record.emp_no, emp_record.salary);  
        UPDATE emp SET salary = emp_record.salary * 1.10 WHERE emp_no = emp_record.emp_no;  
    END LOOP;  
EXCEPTION  
    WHEN OTHERS THEN  
        DBMS_OUTPUT.PUT_LINE('Error: ' || SQLERRM);  
end;  
/
```

OUTPUT: After PL/SQL Block:

emp: EMP_NO SALARY 1 1100 2 8000 3 2200 4 5000 5 7000 increment_emp:
EMP_NO SALARY 1 1000 3 2000
