**NAME : MANGESH A. GHADWAJE**

**ROLL NO:24**

**BATCH : B2**

**COURSE: DBMS PRACTICAL**

**Assginment No. 10**

**Problem Statment :** Write a Pl/SQL block to calculate gross salary on basis of basic salary. If DA is 40% of basic ,HRA is 20% of basic and PF deduction is 12% of basic salary.Gross salary=Basic Salary+DA+HRA-PF Accept basic salary from user and pass it to function, function will return gross salary

**CODE:**

**create table employees(employee\_id int primary key,ename varchar(20),basic\_salary number);**

**insert into employees values(1,'MANGESH',40000);**

**insert into employees values(2,'SACHIN',30000);**

**insert into employees values(3,'PRASHANT',35000);**

**insert into employees values(4,'AKHIL',35000);**

**insert into employees values(5,'DARSHAN',28000);**

**select \* from employees**

**DECLARE**

**basic\_salary employees.basic\_salary%TYPE;**

**da NUMBER;**

**hra NUMBER;**

**pf NUMBER;**

**gross\_salary NUMBER;**

**FUNCTION calculate\_gross\_salary(p\_basic\_salary NUMBER) RETURN NUMBER IS**

**BEGIN**

**da := p\_basic\_salary \* 0.4; -- DA is 40% of basic**

**hra := p\_basic\_salary \* 0.2; -- HRA is 20% of basic**

**pf := p\_basic\_salary \* 0.12; -- PF deduction is 12% of basic salary**

**gross\_salary := p\_basic\_salary + da + hra - pf; -- Calculate gross salary**

**RETURN gross\_salary;**

**END calculate\_gross\_salary;**

**BEGIN**

**-- Accept basic salary from the user through the employees table**

**SELECT basic\_salary INTO basic\_salary**

**FROM employees**

**WHERE employee\_id = :input\_employee\_id;**

**-- Call the function to calculate gross salary**

**gross\_salary := calculate\_gross\_salary(basic\_salary);**

**-- Display the result**

**DBMS\_OUTPUT.PUT\_LINE('Gross salary:' || gross\_salary);**

**EXCEPTION**

**WHEN NO\_DATA\_FOUND THEN**

**DBMS\_OUTPUT.PUT\_LINE('Employee not found.');**

**END;**

**OUTPUT:**

**INPUT\_EMPLOYEE\_ID**

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**Gross salary:51800**