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#### 1.

# **Query Insert Data**

```
CREATE OR REPLACE FUNCTION HITUNG_BONUS(SALARY
NEW_EMPLOYEES0432.SALARY%TYPE)
   RETURN DECIMAL
IS
BEGIN
   RETURN SALARY * (20/100);
   END HITUNG BONUS;
CREATE OR REPLACE FUNCTION HITUNG_ANNUALINCOME(SALARY
NEW_EMPLOYEES0432.SALARY%TYPE, BONUS ANNUAL_INCOME0432.BONUS%TYPE)
   RETURN DECIMAL
IS
BEGIN
    RETURN (SALARY * 12) + BONUS;
   END HITUNG ANNUALINCOME;
CREATE OR REPLACE PROCEDURE INSERT_ANNUALINCOME
(
    ID_EMPLOYEE NEW_EMPLOYEES0432.EMPLOYEE_ID%TYPE,
```

```
SALARY NEW_EMPLOYEES0432.SALARY%TYPE

ID ANNUAL_INCOME0432.ID%TYPE,

)

IS

BEGIN

INSERT INTO ANNUAL_INCOME0432(ID, EMPLOYEE_ID, BONUS,
ANNUAL_INCOME)

VALUES (ID, EMP_ID, HITUNGBONUS(SALARY),
HITUNGANNUALINCOME(SALARY, HITUNGBONUS (SALARY)));

END INSERT_ANNUALINCOME;
```

### **Screenshot Query & Hasil:**

```
SQL> DECLARE

2 CURSOR cursor_0432 IS

3 SELECT employee_id, SALARY FROM NEW_EMPLOYEES0432;

4 id ANNUAL_INCOME0432.ID%type := 1;

5

6 BEGIN

7 FOR emp_record IN cursor_0432

8 LOOP

9 INSERT_ANNUALINCOME(emp_record.employee_id,emp_record.salary,id);

10 id := id + 1;

11 END LOOP;

12 END;

13 /

PL/SQL procedure successfully completed.
```

2. Menurut saya tipe data number itu hanya bisa menampilkan data yang bulat tidak decimal atau ada komanya. Sedangkan float untuk perhitungan yang berupa koma atau decimal.

3.

# Query:

```
CREATE OR REPLACE PACKAGE BODY HITUNG_0432

AS

PROCEDURE HITUNG_LUAS_TABUNG IS

R NUMBER := &R;

T NUMBER := &T;

LUAS NUMBER;

BEGIN

LUAS := (2*3.14*R*T)+(3.14*R*R);

DBMS_OUTPUT.PUT_LINE('LUAS : '|| LUAS );

END HITUNG_LUAS_TABUNG ;
```

## **Screenshot Query & Hasil:**

```
SQL> CREATE OR REPLACE PACKAGE BODY HITUNG_0432
 2 AS
         PROCEDURE HITUNG_LUAS_TABUNG IS
           R NUMBER := &R;
  5
           T NUMBER := &T;
           LUAS NUMBER;
  6
         BEGIN
           LUAS := (2*3.14*R*T)+(3.14*R*R);
DBMS_OUTPUT.PUT_LINE('LUAS : '|| LUAS );
  8
         END HITUNG_LUAS_TABUNG ;
 10
11 END HITUNG_0432 ;
12 /
Enter value for r: 7
Enter value for t: 10
Package body created.
SQL> exec hitung_0432.hitung_luas_tabung;
LUAS : 593.46
PL/SQL procedure successfully completed.
```