

**Practice PL/SQL**

A. Samsul Amar

*Praktek ini menggunakan tabel dan data yang telah Anda kerjakan pada tugas terdahulu.*

**1. PENGENALAN PL/SQL**  
SET SERVEROUTPUT ON

```
BEGIN
DBMS_OUTPUT.PUT_LINE('Welcome to PL/SQL Programming');
END;
/
```

**2. VARIABEL PL/SQL**

```
DECLARE
  Isbn CHAR(13) := '979-96446-9-0';
  Judul VARCHAR2(50);
  Jmlhalaman INTEGER;
BEGIN
  SELECT BUKU_JUDUL, Buku_JMLHALAMAN INTO judul, jmlhalaman
  FROM BUKU
  WHERE BUKU_ISBN = isbn;
  DBMS_OUTPUT.PUT_LINE('ISBN : ' || isbn);
  DBMS_OUTPUT.PUT_LINE('Judul Buku : ' || judul);
  DBMS_OUTPUT.PUT_LINE('Jumlah Halaman : ' || jmlhalaman);
END;
/
```

**3. KONDISI PL/SQL**

```
DECLARE
  isbn CHAR(13) := '979-96446-9-0';
  judul VARCHAR2(50);
  jmlhalaman INTEGER;
  ketebalan VARCHAR2(6);
BEGIN
  SELECT BUKU_JUDUL, BUKU_JMLHALAMAN INTO judul, jmlhalaman
  FROM BUKU
  WHERE BUKU_ISBN = isbn;

  IF jmlhalaman >= 400 THEN
    ketebalan := 'TEBAL';
  ELSIF jmlhalaman > 250 THEN
    ketebalan := 'SEDANG';
  ELSE
    ketebalan := 'TIPIS';
  END IF;
```

```
DBMS_OUTPUT.PUT_LINE('ISBN : ' || isbn);
DBMS_OUTPUT.PUT_LINE('Judul Buku : ' || judul);
DBMS_OUTPUT.PUT_LINE('Jumlah Halaman : ' || jmlhalaman);
DBMS_OUTPUT.PUT_LINE('Ketebalan Buku : ' || ketebalan);
END;
/
```

#### 4. PERULANGAN PL/SQL

##### Practice-1:

```
DECLARE
  i INTEGER := 0;
  j INTEGER := 0;
  k INTEGER := 0;
BEGIN
  DBMS_OUTPUT.PUT_LINE('Simple Loop');
  LOOP
    EXIT WHEN i > 5;
    DBMS_OUTPUT.PUT_LINE(i+1);
    i := i+1;
  END LOOP;
  DBMS_OUTPUT.PUT_LINE('Perintah FOR:');
  FOR j IN 1..5 LOOP
    DBMS_OUTPUT.PUT_LINE(j);
  END LOOP;
  DBMS_OUTPUT.PUT_LINE('Perintah WHILE:');
  WHILE k < 5 LOOP
    DBMS_OUTPUT.PUT_LINE(k+1);
    k := k+1;
  END LOOP;
END;
/
```

##### Practice-2:

```
DECLARE
  CURSOR CUR IS
    SELECT PENERBIT_NAMA FROM PENERBIT
    ORDER BY PENERBIT_NAMA;

  i INTEGER;
  VREC CUR%ROWTYPE;
BEGIN
  OPEN CUR;

  LOOP
    FETCH CUR INTO VREC;
    EXIT WHEN CUR%NOTFOUND;
    DBMS_OUTPUT.PUT_LINE(VREC.PENERBIT_NAMA);
  END LOOP;
```

```
CLOSE CUR;  
END;  
/
```

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