Introduction to PL/SQL

Terminology

Directions: Identify the vocabulary word for each definition below:

1. _____ Oracle Corporations standard procedural language for relational databases which allows basic program logic and control flow to be combined with SQL statements.

Try It/Solve It Questions

1. Circle the programming language meeting the criteria

3GL	PL/SQL	SQL
4GL	PL/SQL	SQL
Is proprietary to Oracle Corporation	PL/SQL	SQL
Nonprocedural	PL/SQL	SQL
Procedural	PL/SQL	SQL
Is ANSI-compliant	PL/SQL	SQL

2. In your own words, describe why a procedural language like PL/SQL is needed.

3. What is a procedural construct?

4. List some examples of procedural constructs in PL/SQL.

5. In the following code, identify and circle examples of these procedural constructs: variable, conditional control, SQL statement

```
DECLARE
    v_first_name varchar2(40);
    v_last_name varchar2(40);
    v_first_letter varchar2(1);
BEGIN
    SELECT first_name, last_name into v_first_name, v_last_name
        FROM students
        WHERE student_id=105;

    v_first_letter := get_first_letter(last_name);
    IF 'N' > 'v_first_letter' THEN
DBMS_OUTPUT.PUT_LINE('The last name for:   '||first_name||' '||last_name||' is between A
and M');
    ELSE
DBMS_OUTPUT.PUT_LINE('The last name for: '||first_name||' '||last_name||' is between N
and Z');
    END IF;
END;
```