**WEEK-2**

**Exercise 1: Control Structures**

**1)** **IF-ELSE**

**CODE:**

SET SERVEROUTPUT ON;

DECLARE

marks NUMBER;

BEGIN

marks := 95;

IF marks >= 90 THEN

DBMS\_OUTPUT.PUT\_LINE('Grade: A');

ELSIF marks >= 75 THEN

DBMS\_OUTPUT.PUT\_LINE('Grade: B');

ELSIF marks >= 60 THEN

DBMS\_OUTPUT.PUT\_LINE('Grade: C');

ELSE

DBMS\_OUTPUT.PUT\_LINE('Grade: F');

END IF;

END;

/

**OUTPUT:**



**2)** **CASE Statement**

**CODE:**

DECLARE

dept\_id NUMBER := 10;

BEGIN

CASE dept\_id

WHEN 10 THEN DBMS\_OUTPUT.PUT\_LINE('Department: HR');

WHEN 20 THEN DBMS\_OUTPUT.PUT\_LINE('Department: Finance');

WHEN 30 THEN DBMS\_OUTPUT.PUT\_LINE('Department: IT');

ELSE DBMS\_OUTPUT.PUT\_LINE('Unknown Department');

END CASE;

END;

/

**OUTPUT:**

****

**3)** **WHILE Loop**

**CODE:**

DECLARE

counter NUMBER := 1;

BEGIN

WHILE counter <= 5 LOOP

DBMS\_OUTPUT.PUT\_LINE('This is PL/SQL: ' || counter);

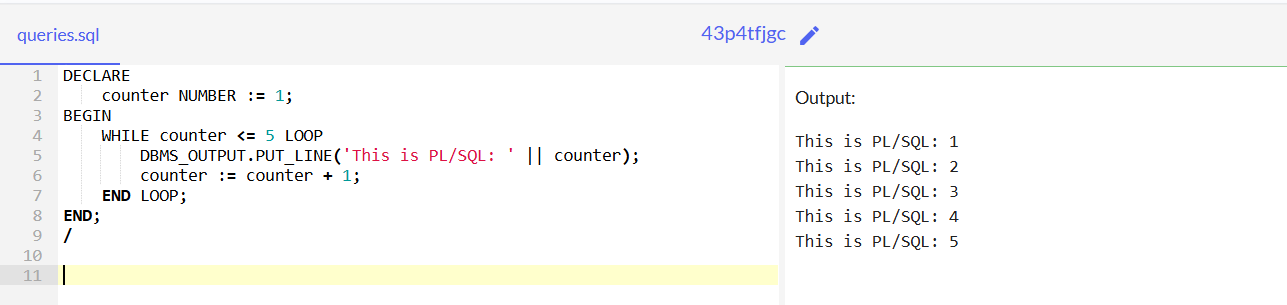
counter := counter + 1;

END LOOP;

END;

/

**OUTPUT:**

****

**4)** **FOR Loop**

**CODE:**

BEGIN

FOR i IN 1..7 LOOP

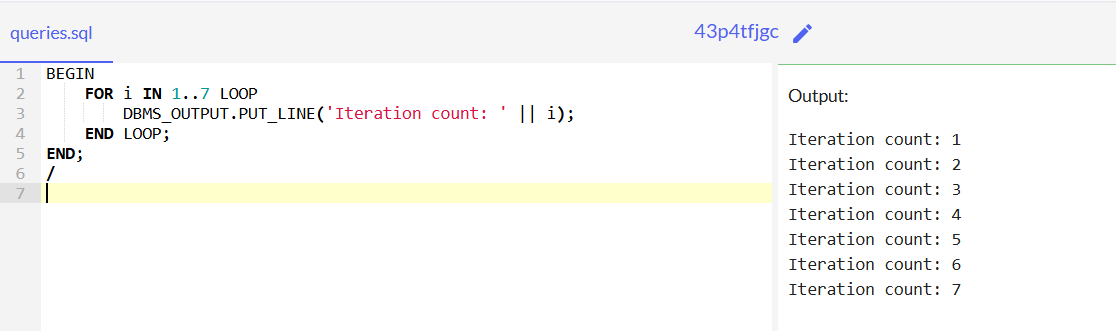
DBMS\_OUTPUT.PUT\_LINE('Iteration count: ' || i);

END LOOP;

END;

/

**OUTPUT:**

****

**5)** **EXIT**

**CODE:**

DECLARE

i NUMBER := 1;

BEGIN

LOOP

DBMS\_OUTPUT.PUT\_LINE('Inside Loop count: ' || i);

IF i = 3 THEN

EXIT;

END IF;

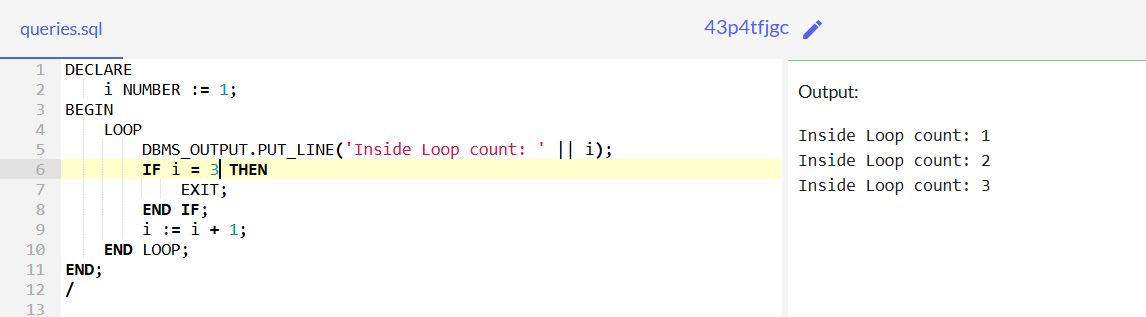
i := i + 1;

END LOOP;

END;

/

**OUTPUT:**

****

**6)** **CONTINUE**

**CODE:**

BEGIN

FOR i IN 1..5 LOOP

IF i = 3 THEN

CONTINUE;

END IF;

DBMS\_OUTPUT.PUT\_LINE('Value: ' || i);

END LOOP;

END;

/

**OUTPUT:**

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