**18.**

**1)** **FOR counter IN lower\_bound..upper\_bound LOOP**

**-- Statements to execute in each iteration**

**END LOOP;**

**WHILE condition LOOP**

**-- Statements to execute while condition is true**

**END LOOP;**

**LOOP**

**-- Statements to execute**

**EXIT WHEN condition;**

**END LOOP;**

**2)** **DECLARE**

**num NUMBER; -- To hold the number being checked**

**i NUMBER; -- Loop counter**

**is\_prime BOOLEAN := TRUE; -- Flag to determine if the number is prime**

**BEGIN**

**-- Loop through numbers from 1 to 50**

**FOR num IN 2..50 LOOP**

**is\_prime := TRUE; -- Assume the number is prime**

**-- Check divisibility from 2 to num-1**

**FOR i IN 2..num-1 LOOP**

**IF mod(num, i) = 0 THEN**

**is\_prime := FALSE; -- If divisible, the number is not prime**

**EXIT; -- Exit inner loop if divisible**

**END IF;**

**END LOOP;**

**-- If the number is prime, print it**

**IF is\_prime THEN**

**DBMS\_OUTPUT.PUT\_LINE(num || ' is a prime number');**

**END IF;**

**END LOOP;**

**END;**