```
//--------------------
// IF-THEN-ELSE Example
//--------------------

IF temperature > 30 THEN
    SET status TO "Hot"
ELSE
    SET status TO "Cool"
ENDIF
DISPLAY status


//------------------------------------
// CASE Example - check multiple values
//------------------------------------

SET grade TO 'B'
CASE grade OF
    'A': SET feedback TO "Excellent"
    'B': SET feedback TO "Good"
    'C': SET feedback TO "Average"
    'D': SET feedback TO "Below Average"
    'F': SET feedback TO "Fail"
    DEFAULT: SET feedback TO "Invalid grade"
ENDCASE
DISPLAY feedback


//--------------------
// FOR Loop Example
//--------------------

SET total TO 0
FOR i FROM 1 TO 10 STEP 1
    DO
        SET total TO total + i
        DISPLAY i
    ENDFOR
DISPLAY "Sum:", total


//--------------------
// WHILE Loop Example
//--------------------

SET count TO 0
SET sum TO 0
WHILE count < 5
    DO
        SET sum TO sum + count
        SET count TO count + 1
        DISPLAY "Current count:", count
    ENDWHILE
DISPLAY "Final sum:", sum


//--------------------
// REPEAT-UNTIL Example
//--------------------

SET counter TO 0
REPEAT
    DISPLAY "Counter:", counter
    SET counter TO counter + 1
UNTIL counter = 5


//--------------------
// Nested Loops Example
//--------------------

FOR i FROM 1 TO 3
    DO
        DISPLAY "Outer loop:", i
        FOR j FROM 1 TO 2
            DO
                DISPLAY "Inner loop:", j
            ENDFOR
    ENDFOR

//--------------------
```