

1. Sort Numbers with bubble sort

```
BEGIN
FUNCTION sort_numbers(array)
    SET n = length(array)
    REPEAT
        SET sorted = false
        FOR i=0 TO n-2
            IF array[i] > array[i+1] THEN
                temp = array[i]
                array[i] = array[i+1]
                array[i+1] = temp
                SET sorted = true
            END IF
        END FOR
    UNTIL sorted = false
    PRINT array
END
```

2. Find prime

```
BEGIN
FUNCTION find_prime(number)
    IF number <= 1 THEN
        RETURN number + ',is not a prime number'
    ELSE
        FOR i = 2 TO number/2
            IF number MOD i == 0
                RETURN number + ',is not a prime number'
            END IF
        END FOR
        RETURN number + ',is a prime number'
    END IF
END
```

3. Find palindrome

```
BEGIN
FUNCTION find_palindrome(word)
    SET word = lowercase(word)
    SET reversed = reversed(word)
    IF word == reversed THEN
        PRINT word + ',is a palindrome'
    ELSE
        PRINT word + ',is not a palindrome'
    END IF
END
```