**Linear Search a number in the list**

START

SET mylist = [1,3,4,5]

SET length\_of\_list = 4

SET number\_to\_be\_found = 1

SET found = 0

SET i = 0

WHILE i less than length\_of\_list

SET current\_number = mylist[i]

IF current\_number is equal to number\_to\_be\_found THEN

SET found = 1

END IF

INCREMENT i

END WHILE

IF found equal to 1 THEN

PRINT “Found”

ELSE

PRINT “Not Found”

END IF

STOP