**Linear Search**

Find name given phone number and phone book sorted by name

Get(names[1,…,100])
Get(phones[1,…,100])
Get(num)
Set i = 1
Set found = false
While (i <= 100) and (found = false)
    If (phones[i] = num
        found = true
    else
        Set i = i + 1
    Endif
Endwhile
If (i > 100)
    Print(“number not found”)
Else
    Print(“The name is “, names[i])
Endif