

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
```