

Secret talk with a computer

Let me show you how to talk with the computer like a [real hacker](#) and incidentally you might learn the basics of [nimib](#).

A secret message

Inside this document is hidden a secret message. I will ask the computer to spit it out:

```
echo secret
```

```
[104, 101, 108, 108, 111, 44, 32, 119, 111, 114, 108, 100]
```

what does this integer sequence mean? Am I supposed to [recognize it](#)?

A cryptanalytic weapon

Luckily I happen to have a [nim](#) implementation of a recently declassified top-secret cryptanalytic weapon:

```
func decode(secret: openArray[int]): string =  
  ## classified by NSA as <strong>TOP SECRET</strong>  
  for c in secret:  
    result.add char(c)
```

The great revelation

Now I can just apply it to my secret message and finally decrypt what the computer wants to tell me:

```
let msg = decode secret  
echo msg # what will it say?
```

```
hello, world
```

Hey, there must be a bug somewhere, the message (`hello, world`) is not even addressed to me!