

## Programming basics 1 – workshop B

### Skills Lab 1B

#### Assignment 2

##### Part 1 – name the problem

We have two numbers with a set value. We need to change the value of the two numbers without losing the information beforehand. The problem comes when you try to reassign their values – one of the numbers gets lost.

##### Part 2 – solution strategy

We need a third variable that stores the initially lost value of one of the numbers. It will allow for the first number to get the value of the second without losing its value in the system. The second variable can access the first variable's value, connecting to the third variable, thus switching the values of the first two given variables.

##### Part 3 – code and test

```
1  // Change values
2  let a = 54;
3  let b = 29;
4  let c;
5
6  c=a
7  a=b
8  b=c
9
10 // showcase the result
11 document.write("a=" + a + "; b=" + b);
```