

## Changing Values in an Array

### Printing the Array

If we have our array as follows:

```
StudentsAges = [9, 10, 9, 8, 10, 10, 9, 11]
```

If we want to print out the full array, we say the following:

```
print(StudentsAges)
```

We will see the following written on the screen:

```
[9, 10, 9, 8, 10, 10, 9, 11]
```

### Updating the Array

If we want to change the value of one of the elements of the array, we can say:

```
StudentsAges[2] = 111
```

And then when we print out the array again:

```
print(StudentsAges)
```

We will see the following written on the screen:

```
[9, 10, 111, 8, 10, 10, 9, 11]
```

If we want to add one to the first element of the array, we could say:

```
StudentsAges[0] = StudentsAges[0] + 1
```

And then when we print out the array again:

```
print(StudentsAges)
```

We will see the following written on the screen:

```
[10, 10, 111, 8, 10, 10, 9, 11]
```

So, the first value was 9 and now has become 10.

If we want to subtract one from the last element of the array, we could say:

```
StudentsAges[7] = StudentsAges[7] - 1
```

And then when we print out the array again:

```
print(StudentsAges)
```

We will see the following written on the screen:

```
[10, 10, 111, 8, 10, 10, 9, 10]
```

So, the last value was 11 and now has become 10.

If we want to multiply the first element of the array by one hundred, we could say:

```
StudentsAges[0] = StudentsAges[0] * 100
```

And then when we print out the array again:

```
print(StudentsAges)
```

We will see the following written on the screen:

```
[1000, 10, 111, 8, 10, 10, 9, 10]
```

So, the first value was 10 and now has become 1000.