

# Intro to programming I

## Week 1 - Strings and String variables

- In Python, a sequence of zero or more characters between double quotes is called a *string*, e.g.,

```
“Hello, World!”
```

Console output

- We can print a string:

```
print(“Hello, World!”)
```

Hello, World!

- We can ‘label’ the string and then print the string using the label:

```
greeting = “Hello, World!”  
print(greeting)
```

Hello, World!

```
intro = "My name is "  
print(intro)
```

My name is

```
name = “Chris”  
print(name)
```

Chris

- We can ‘glue’ strings to make longer strings:

```
message = greeting + “ “ + intro + name + “.”  
print(message)
```

Hello, World! My name is Chris.

Glueing strings is called *concatenation*.

- We can update the value of the label:

```
greeting = "Welcome!"  
print(greeting)
```

Welcome!

```
message = greeting + “ “ + intro + name + “.”  
print(message)
```

Welcome! My name is Chris.

These ‘labels’ are called *variables*, to indicate that we can change their values at will.