

# Week 4 Summary

CSCA08

Winter 2022

# print and strings

- Print function can take multiple arguments from various types.
- More on strings:
  - Multiple lines strings with three quotations
  - The escape character “\” examples: \n \t \\ \' \"
    - Escape character does not count as an independent character:
      - `len('Hi\nHi ')`

# Methods

- They are functions belonging to an object
- Calling a method:

`obj_name.method_name(arguments)`

- The object is always a default argument for all its methods
- Even if no other arguments is required we need ()
- Use dir and help to find and learn about methods for each object:

`dir(str), dir('my str'),  
help(str.isalpha), help('my str'.isalpha)`

# for loop over iterables

- We can repeat a set of instructions for different values of a variable:

```
for variable_name in iterable_object:
```

```
    instruction
```

```
    ...
```

```
    instruction
```

Each time (iteration) the variable automatically refers to one of the elements in the iterable object (e.g., characters of string)