

# Programming

## Class 13 - strings

Universidad CES

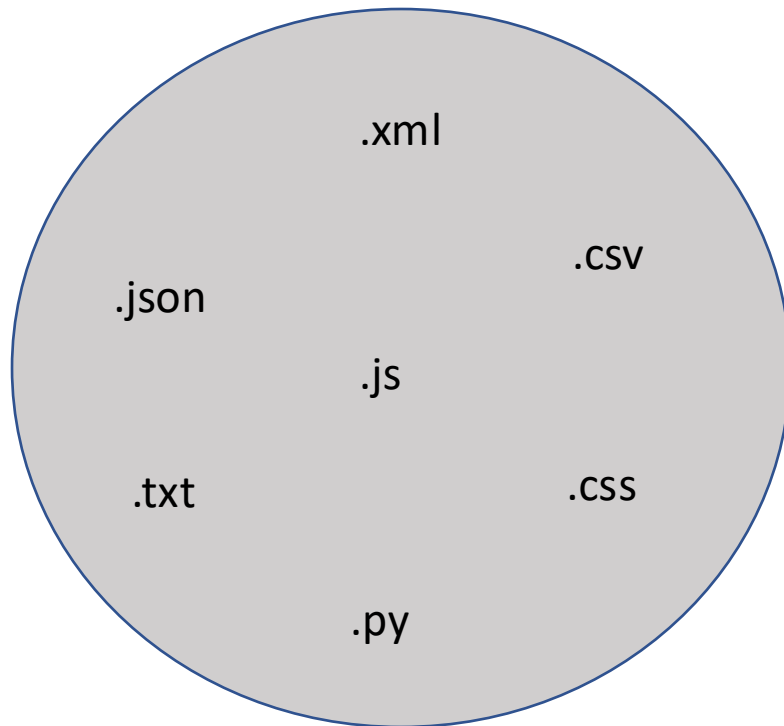


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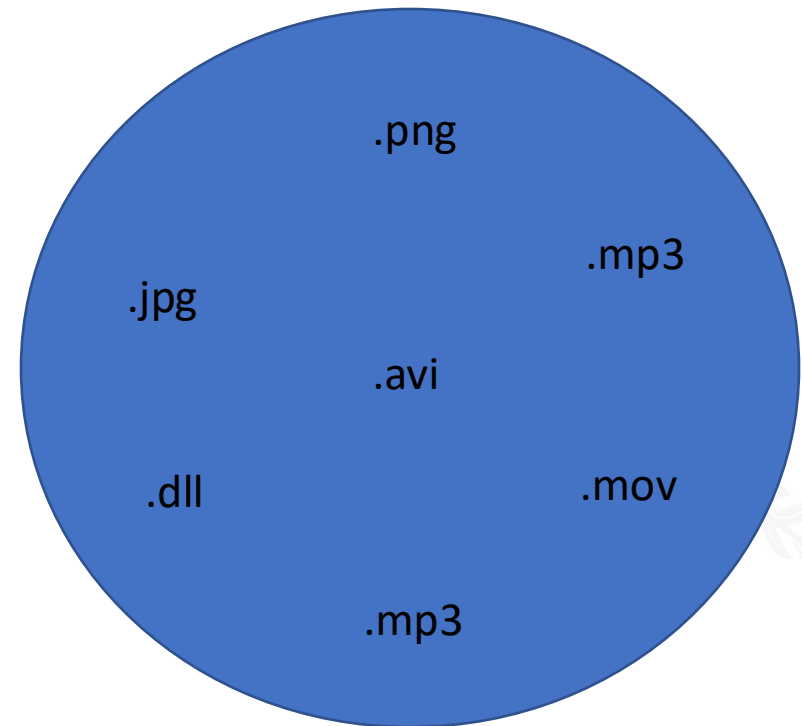
The background is a dark blue-tinted aerial photograph of a city. A large, semi-transparent blue shape with rounded corners is overlaid on the left and top portions of the image. This shape is decorated with a repeating pattern of white, stylized leaf or branch motifs. In the center of the image, the text "File types" is written in a white, sans-serif font.

# File types

## String files



## Binary files



# How to open a file in python?

R - To read and extract the information contained in the file.

W - Write and replace the information. EYE overwrite.

A - Write similar to append. Append to end without overwriting

Python has a default module for handling files, its used as follows:

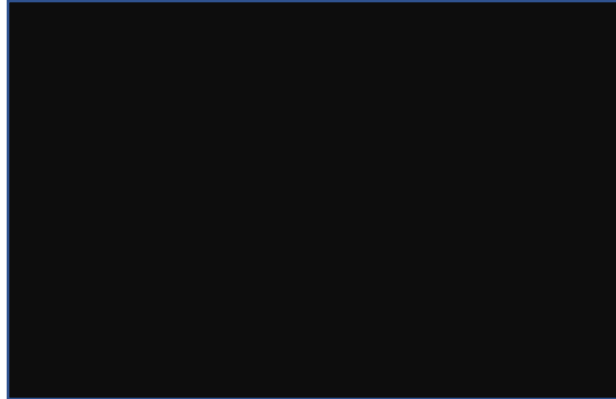
With `open("./rutadelarchivo.txt", "r")` as file:

See example\*

# Example

- Create a function that loads the file data.txt and creates a list with each item.

Inputs  
Data.txt



Outputs  
List with words in  
each position

# Example

- Create a function that from a word generates a list with the same size but filled with "-"

Inputs  
PALABRA



Outputs

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# Enumerate()

It is a tool that allows you to create an iterable variable and keep in mind the index (position) inside an array.

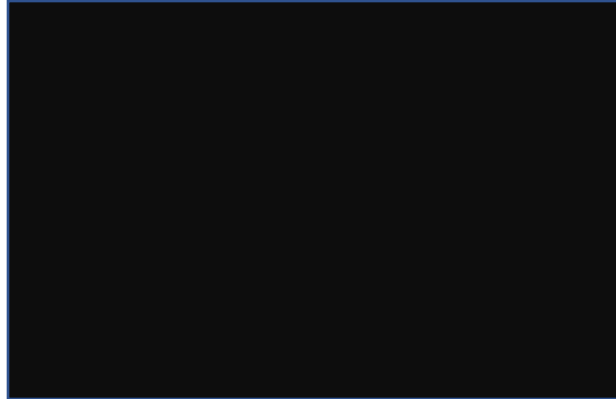
\* see example.

# Example

- Create a function that from the use of the `enumerate()` function creates a dictionary whose keys are the letter of the word and the value the positions in which it is found

Inputs

PALABRA



Outputs

{ 'P': [0], 'A': [1,3,6], 'L':  
[2], 'B': [4], 'R': [5], }



# Thank you



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