

# **Dictionaries and Files**

## **- Homework -**

## Mission 1: Fast Challenges (Dictionaries)

Dictionary to work with:

```
d = {"mazda": "2020", "bmw": "1998", "vw": "2005"}
```

- 1.1. You provided with the next dictionary, please add to the dictionary a new item of "volvo" as key and "1992" as value.
- 1.2. Print the value of the key "mazda"
- 1.3. Print the value only if the year is above 2000
- 1.4. Print out all the dictionary in the next format: "Our Mazda is from 2020" - make sure to take care about the capital letters.
- 1.5. Iterate over the dictionary and create a new one with the name of the brand and a price, the price will calculate from the year available as value multiplied by 15.  
(Ex. "batmobile": "2089" -> "batmobile": "31335")

## Mission 2: Fast Challenges (Files)

Copy the Zen of Python from the next link and save it as a file - for the exercises I will use "zen.txt" to describe this file.

<https://www.python.org/dev/peps/pep-0020/>

- 2.1. Use python to create a new file - call it "not-zen.txt" (Hint: write permission)
- 2.2. Read the "zen.txt" file and save only the first line of it to "not-zen.txt" file (Hint: readline() function)
- 2.3. Read the "zen.txt" file and create a new list contains all the words separated from the file

## Mission 3: Combination!

The Zen of Python was written by Tim Peters to provide insights of design and creation of the language.

Create a Python script that checks occurrences - the script will be able to load the "zen.txt" file and iterate over it to determine what is the 5 most popular letters.

- Spaces not included
- "\n" character not included