

# Dictionaries and Files

# Homework -

## Mission 1: Fast Challenges (Dictionaries)

Dictionary to work with:

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

* 1. You provided with the next dictionary, please add to the dictionary a new item of “volvo” as key and “1992” as value.
  2. Print the value of the key “mazda”
  3. Print the value only if the year is above 2000
  4. Print out all the dictionary in the next format: “Our Mazda is from 2020” - make sure to take care about the capital letters.
  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