SECTION 6: METHODS AND FUNCTIONS, 2 hours 54 mins, 30 parts
- **1/29 Methods and the Python Documentation**
    - ○ **-> methods**
        - ‣ built-in objects in Python have methods which can be used
        - ‣ **-> you can use OOP to create your own methods**

    - ○ **-> the .ipynb file**
        - ‣ he creates and populates an array
        - ‣ array_name.append(4) <- adds 4 to the end
        - ‣ .pop() <- removes the last element of the list and saves it as that (this also prints the last element which is removed)
        - ‣ **shift tab <- to see a list of the different methods**
        - ‣ **help(array_name.insert) <- this returns help on it**
        - ‣ **-> there is also Python documentation online**

        - ‣ **there is a blog post of the things which have improved / been updated in the latest version of Python**
            - • -> there are secure random numbers (secrets module) <- new in Python 3.6
            - • **-> the use of documentation**

            - • **-> there is also a library reference and FAQs**
                - ○ **information about the classes / modules / objects in Python**
                - ○ boolean / tuples / list types etc, collections, modules, file directory access
                - ○ it's not readable
                    - ‣ -> **stack overflow**
                    - ‣ -> list operations -> min / max / indexing / slicing

                - ○ **there is an official list**
                    - ‣ -> e.g what sort does when you call it on a list
                    - ‣ -> more information about the methods available on objects
                    - ‣ -> **the more advanced you get the more answers you will only be able to find in the documentation (in a JN access it via shift tab)**

            - • -> graphical interface FAQs