

- Functions are re-usable chunks of code
- In Real scenarios we don't write whole program in one file
- Rather we break the code into more maintainable chunks of code in different files
- PEP8 recommends 2 lines break after function declaration
- Parameter is the input you define for your function
- Argument is the actual value for that parameter
- Parameter : Argument == > Key: Value
- By Default Parameters are required
- There are 2 Categories of Functions
- 1- Functions which perform a task
- 2- Functions which return a value
- Best Practice is to use #2
- By Default in Python every function provides NONE value which is an object that shows absence of a value
- NONE is classified as a function that carries out a task
- Keyword Arguments are helpful in understanding and reading purposes
- Optional parameters always should be placed after required ones
- Lists are modifiable and tuples are not
- *argument is used to have multiple arguments
- **argument is used to have multiple Keyword arguments or Key-Value Pairs
- Scope refers to the region of the code where a variable is defined
- Local variables are stick inside to a single function
- Local Variables have short life time
- Global Variables can be accessed anywhere in the file
- Global Variables are really evil ~ Memory 🐱
- Best Practices include the use of local variables
- The Use of Global keyword to manipulate the global variables is really a bad practice