**Functions**

**Functions:**

🡪A function is a block of code which only runs when it is called.

🡪You can pass data, known as parameters, into a function.

🡪A function can return data as a result.

🡪In Python a function is defined using the def keyword:

Example: def my\_function():  
   print("Hello from a function")

🡪To call a function, use the function name followed by parenthesis:

Example: def my\_function():  
   print("Hello from a function")  
  
my\_function()

**Why Use Functions?**

* **Code Reusability** – Write once, use multiple times.
* **Modularity** – Break down large programs into smaller, manageable parts.
* **Abstraction** – You can use a function without knowing its internal details.
* **Maintainability** – Easier to update and debug code.
* **Readability** – Well-structured code is easier to read.