Exercise 53:

### General Structure of a Function Declaration in Python:

1. **Keyword:** Functions in Python start with the def keyword.
2. **Function Name:** A valid identifier for the function.
3. **Parameters:** Enclosed in parentheses (), used to pass data to the function. If no arguments are required, the parentheses are empty.
4. **Colon (:):** Signals the beginning of the function body.
5. **Indented Block:** The indented code block following the colon is the function's body, which contains the logic of the function.
6. **Return Statement:** (Optional) Used to return a value from the function.

### Examples of Functions:

#### 1. **Function with No Arguments**

def greet():

print("Hello, World!")

* **Description:** This function takes no arguments and simply prints a message.
* **Example Call:** greet()

#### 2. **Function with Arguments and No Return Value**

def display\_info(name, age):

print(f"Name: {name}, Age: {age}")

* **Description:** This function takes two arguments (name and age) and prints them but does not return any value.
* **Example Call:** display\_info("Alice", 25)

#### 3. **Function with Arguments and a Return Value**

def add(a, b):

return a + b

* **Description:** This function takes two arguments (a and b), adds them, and returns the result.
* **Example Call:** result = add(5, 3)