Python Learning Notes - Day 1 & 2

Day 1: Introduction to Functions

- A function is a reusable block of code that performs a specific task.

- Functions are defined using the `def` keyword.

Syntax:

```
def function_name():
    # code block
```

Example:

```
def greet():
    print("Hello, Mammu!")

greet()  # Calling the function
```

Why use functions?

- Code reuse

- Better organization

- Easier debugging

Day 2: Function Parameters & Arguments

- Parameters are variables listed in a function definition.

- Arguments are the values passed to the function when it is called.

Syntax:

```python
def greet(name):

    print("Hello,", name)


greet("Mammu")  # "Mammu" is an argument
```

Example with two parameters:

```python
def add(a, b):

    print(a + b)


add(4, 5)  # Output: 9
```

Why use parameters?

- To make functions flexible

- To reuse the same function with different inputs