

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.

```
    Creating a Function Syntax

def func_name(args):
  return output

    Calling a Function Syntax
```

func_name(args)

```
Example
def calc_rectangle_area(length, width):
    return length * width
area = calc rectangle area(20, 10)
```



Advantages of Using Functions

Modularity

Building blocks of modularity
Break down code for clarity
Each function has a specific task

Reusability

Cornerstone of efficient programming
Encourages code reusability
Example: calculate_rectangle_area for various shapes

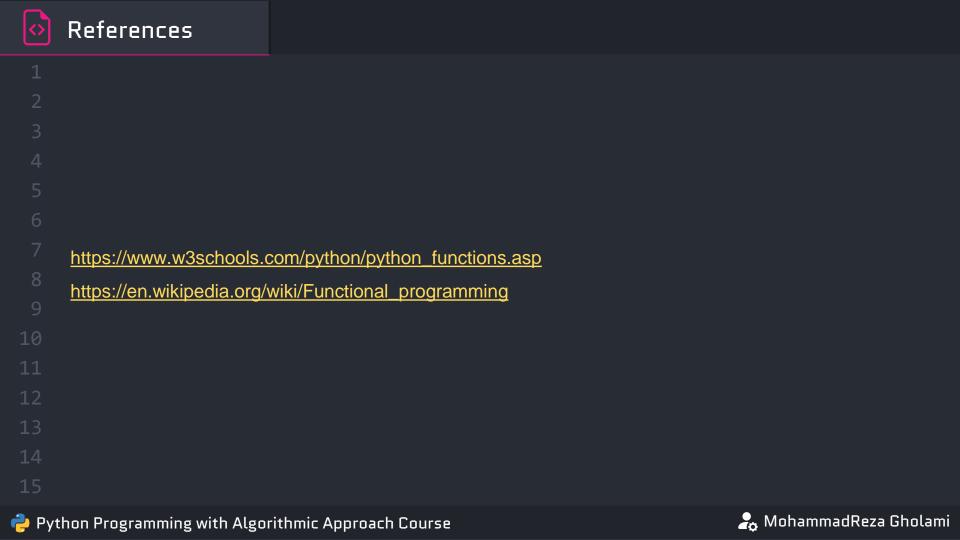
Readability

Enhances code readability
Descriptive function names convey intent
Improves overall code narrative

Maintainability

Simplifies code maintenance
Targeted changes in individual functions
Minimizes unintended consequences









THANKS!

Do you have any questions?

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