

Assignment for Functions

Instructions:

- Complete the following exercises related to Python functions.
- Write the solution code for each exercise.
- Include comments to explain your code where necessary.
- Test your functions with sample inputs to ensure correctness.
- Write the answers in a Python script file or a Jupyter Notebook.

Exercises:

Write a function called `calculate_area` that calculates the area of a rectangle. The function should accept two arguments: `length` and `width`, with default values of 5 and 3 respectively.

Create a function called `format_name` that formats a person's name. The function should accept three arguments: `first_name`, `last_name`, and `title`. The default value for `title` should be an empty string.

Define a function named `calculate_cost` to calculate the total cost of items in a shopping cart. The function should accept two arguments: `items` (a list of item prices) and `discount` (discount percentage, default value 0). The function should return the total cost after applying the discount.

Write a function called `display_info` that prints information about a person. The function should accept four arguments: `name`, `age`, `city`, and `country`. The default values for `age`, `city`, and `country` should be `None`.

Create a function called `calculate_score` that calculates the total score based on scores obtained in three subjects. The function should accept three arguments: `subject1`, `subject2`, and `subject3`, with default values of 0.