

Practice Questions for Python Functions

Basic-Level Questions

1. Write a function `greet()` that prints "Hello, World!"
 - Expected Output:
Hello, World!
2. Write a function `welcome_user(name)` that takes a name as input and prints "Welcome, [name]!"
 - Input: `welcome_user("Alice")`
 - Output:
Welcome, Alice!
3. Write a function `add(a, b)` that returns the sum of two numbers.
 - Input: `add(3, 5)`
 - Output: 8
4. Write a function `power(base, exponent=2)` that calculates the power of a number.
 - Input: `power(4)` or `power(2, 3)`
 - Output: 16 or 8
5. Write a function `is_even(number)` that returns True if a number is even, otherwise False.
 - Input: `is_even(6)` or `is_even(7)`
 - Output: True or False
6. Write a function `area_circle(radius)` that calculates the area of a circle, given its radius.
 - Input: `area_circle(3)`
 - Output: Approximately 28.27

7. Write a function `max_of_three(a, b, c)` that returns the largest of three numbers.

- Input: `max_of_three(3, 7, 5)`
- Output: 7