

Python Function

1. Greet Function

```
def greet(name):  
    print("Hello", name)  
greet("Lahiru")
```

Explanation: Takes a name as input and prints a greeting.

2. Add Two Numbers

```
def add(a, b):  
    return a + b  
print(add(5, 3))
```

Explanation: Uses return to send the sum of two numbers back to where it's called.

3. Subtract Two Numbers

```
def subtract(a, b):  
    return a - b  
print(subtract(10, 4))
```

Explanation: Returns the difference between two numbers.

4. Find Square

```
def square(num):  
    return num * num  
print(square(6))
```

Explanation: Multiplies a number by itself.

5. Calculate Area of Rectangle

```
def area_rectangle(length, width):  
    return length * width  
print(area_rectangle(5, 3))
```

Explanation: Area = length × width.

6. Find Even or Odd

```
def check_even(num):  
    if num % 2 == 0:  
        print("Even number")  
    else:  
        print("Odd number")  
check_even(7)
```

Explanation: Uses modulus operator % to check remainder when divided by 2.

7. Convert Celsius to Fahrenheit

```
def celsius_to_fahrenheit(c):  
    return (c * 9/5) + 32  
print(celsius_to_fahrenheit(0))
```

Explanation: Applies the temperature conversion formula.

8. Find Maximum of Two Numbers

```
def find_max(a, b):  
    if a > b:  
        return a  
    else:  
        return b  
print(find_max(10, 25))
```

Explanation: Compares two numbers and returns the larger one.

9. Count Letters in a Word

```
def count_letters(word):  
    return len(word)  
print(count_letters("Python"))
```

Explanation: Uses built-in len() to count characters.

10. Calculate Average

```
def average(a, b, c):  
    return (a + b + c) / 3  
print(average(5, 10, 15))
```

Explanation: Adds three numbers and divides by 3.

11. Display a Line

```
def line():  
    print("-----")  
line()
```

Explanation: No parameters — just prints a separator line.

12. Multiply Numbers

```
def multiply(a, b):  
    return a * b  
print(multiply(6, 7))
```

Explanation: Returns the product of two numbers.

13. Check if a Number is Positive or Negative

```
def check_sign(num):  
    if num > 0:  
        print("Positive")  
    elif num < 0:  
        print("Negative")  
    else:  
        print("Zero")  
check_sign(-5)
```

Explanation: Uses conditional statements to check sign.

14. Find the Largest Number in a List

```
def find_largest(numbers):  
    return max(numbers)  
print(find_largest([4, 9, 2, 11, 7]))
```

Explanation: Uses built-in max() to find the biggest number.

15. Sum of a List

```
def sum_list(numbers):  
    return sum(numbers)  
print(sum_list([2, 4, 6, 8]))
```

Explanation: Adds all elements in a list using sum().

16. Find Minimum of Three Numbers

```
def smallest(a, b, c):  
    return min(a, b, c)  
print(smallest(5, 2, 9))
```

Explanation: Uses min() to find the smallest among three.

17. Simple Calculator

```
def calculator(a, b, op):  
    if op == '+':  
        return a + b  
    elif op == '-':  
        return a - b  
    elif op == '*':  
        return a * b  
    elif op == '/':  
        return a / b  
    else:  
        return "Invalid operator"  
print(calculator(10, 5, '*'))
```

Explanation: Performs basic arithmetic depending on the operator symbol.