Python Code Example

Here is an example of a simple Python script that calculates the factorial of a number using recursion.

```python
def factorial(n):
    """Calculate the factorial of a number recursively."""
    if n == 0 or n == 1:
        return 1
    else:
        return n * factorial(n - 1)

# Test the function
num = 5
result = factorial(num)
print(f"The factorial of {num} is {result}")
```

Listing 1: Factorial Function in Python