List of Powerful
One-Liner 🐍

1. Count the number of lines in a file

```
1  print(sum(1 for line in open('filename.txt')))
```

2. Check if a string is a palindrome

```
1  print("Palindrome" if input_str == input_str[::-1]
2      else "Not Palindrome")
```

3. Find the largest element in a list

```
1  print(max(lst))
```

4. Reverse a string

```python
1  print(input_str[::-1])
```

5. Check if a number is prime

```python
1  print("Prime" if
2      all(num % i != 0 for i in range(2, int(num**0.5) + 1))
3      and num > 1 else "Not Prime")
```

6. Calculate the Fibonacci sequence using recursion

```python
1  fib = lambda n: n if n <= 1 else fib(n-1) + fib(n-2)
```

7. Count occurrences of each character in a string

```python
1  print({char: string.count(char) for char in string})
```

8. Transpose a matrix

```python
print([[matrix[j][i] for j in range(len(matrix))]
       for i in range(len(matrix[0]))])
```

9. Find sum of all elements in a list

```python
print(sum(lst))
```

10. Check if all elements in a list are unique

```python
print("Unique" if len(lst) == len(set(lst))
      else "Not Unique")
```

11. Remove duplicates from a list

```python
print(list(set(lst)))
```

12. Find the factorial of a number using recursion

```
1   fact = lambda n: 1 if n == 0 else n * fact(n - 1)
```

13. Sort a list of dictionaries by a specific key

```
1   sorted_lst = sorted(lst, key=lambda x: x['key_name'])
```

14. Find the second smallest element in a list

```
1   print(sorted(set(lst))[1])
```

15. Merge two dictionaries

```
1   merged_dict = {**dict1, **dict2}
```

16. Remove all occurrences of a specific value from a list

```python
1  lst = [x for x in lst if x != value_to_remove]
```

17. Check if a string is an anagram of another string

```python
1  print("Anagram" if sorted(str1) == sorted(str2)
2        else "Not Anagram")
```

18. Create a dictionary from two lists, one for keys and another for values

```python
1  dictionary = dict(zip(keys_list, values_list))
```

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