

Extended Python Practice Set

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[Easy - Python Practice]

- 1. Write a function to return the factorial of a number.
- 2. Create a list of even numbers from 1 to 100 using list comprehension.
- 3. Check if a number is prime or not.
- 4. Create a dictionary from two lists using zip().
- 5. Write a program to find the largest number in a list.

[Medium - Python Practice]

- 6. Write a program to read a text file and count the number of lines and words.
- 7. Create a class Student with attributes name, roll, and methods to display info.
- 8. Implement a simple calculator using functions.
- 9. Create a function to find duplicate elements in a list.
- 10. Sort a list of dictionaries by a specific key (e.g., age).

[Hard - Python Practice]

- 11. Implement a decorator that logs function execution time.
- 12. Create a generator to yield Fibonacci numbers up to n.
- 13. Implement a basic bank system using classes (deposit, withdraw, check balance).
- 14. Read a CSV file and convert it into a list of dictionaries.
- 15. Build a mini command-line to-do app using file storage.