**Introduction:**

In this week -3 assignment, I have created the following Python programs:

1. Age Calculator
2. Prime Number Generator
3. Student Marks Processor using NumPy and file handling
4. Weather Data Fetcher & Analyzer using OpenWeatherMap API

Each exercise was designed to strengthen my practical understanding of Python and core data science skills such as working with data types, logic, functions, libraries, and APIs.

**Conclusion:**

This assignment has helped me improve my ability to write clean, functional, and error-handled Python code.

I learned how to:

1. Work with dates and user input
2. Use control structures to generate prime numbers
3. Read and write structured data using NumPy arrays
4. Fetch and analyze real-time data using an external API