CSharp Chapter 1 Course Documentation Report

Write a detailed explanation for each of the following topics with illustrative example (Coding example / drawing) and push this work on git hub repo (course_documentation)

1. Software Development Life Cycle (SDLC)

2. Agile Methodology and Scrum framework

3. Git Version Control

4. Algorithm design (Pseudo code and flowchart)

5. Web Development Stacks

6. Programming Paradigms

7. Algorithm programming components

8. Types of programming languages (based on machine interaction, execution)

9. Comparison of compiler and interpreter

10. Data types, Variables, Constants and input/ output statements

11. Arithmetic and logic operators

12. Conditional statements (if else / switch case)

13. Looping (for, while and do while)

14. Nested operations (nested conditions and nested looping)

15. Array data structure

16. Functions in CSharp (built-in)

17. Errors in programming