Homework Problems

1. Explain the differences between assembly code and machine code.
2. Discuss the role of the compiler in translating high-level programming languages into machine code.
3. Analyze the process of linking and how it integrates machine code segments to form an executable program.

Bibliographic Notes

- The importance of machine code in the context of microprocessors and processors.
- The role of assembly code in programming and its relation to machine code.
- The history and evolution of programming languages and their impact on machine code development.