1. **Explain the difference between source code and machine code.**

   Source code is the programming language written by computer programers, it contains comprehendable instructions which can be read by humans. Machine code on the other hand is difficult for humans to comprehend, and is the only language that is understood by computers. Machine code is solely made up of numbers, while source code contains words, numbers, and symbols.

2. **Explain the difference between an interpreter and a compiler.**

   A compiler translates a whole document of source code into machine code. On the other hand, an interpreter reads and executes lines of source code. A compiler looks at the entire program and translates it to machine code, while an interpreter executes a program of source code one line at a time.

Pseudocode: Ordering a Hamburger

Begin Program

    Join order queue
    Check turn
    If not turn wait
    If turn step up
    Ask for hamburger
    Pay for hamburger

End Program

3. **Discuss which problem-solving method you preferred to use and why.**

   I preferred using the flowchart over the pseudocode as I found the step-by-step model of the flowchart easier to follow. Also, the overall aesthetic appearance of the flowchart was better than that of the pseudocode. In contrast, I didn't completely dislike using the pseudocode method, I found that it was faster and easier to produce. Weighing out the pros and cons, I preferred the flowchart method over the pseudocode method.