**Week Seven**

**Task 1:**

The text briefly alludes to 4th and 5th generation languages (4GLs and 5GLs). Using the web, find examples of such programming languages. Are they widely used? Why/Why not?

**Task 2:**

The text briefly mentions the role of interpreters. Instead of translating/compiling high-level human readable code (for example, a C++ program) into machine code that can be executed later, interpreters execute the high-level program as it is. While sometimes associated with some traditional 3GLs, it is more common to hear of translators being used to execute scripting languages. Using the web, research what is meant by the term “scripting language” and provide examples of such languages. What are these languages commonly used for?

**Discussion point 1:**

In your research regarding scripting languages, you may have encountered discussion on the pros and cons of such languages. What advantages and disadvantages do you think scripting language programs have compared to compiled and linked programs?

**Discussion point 2:**

Do you think the effort to develop programming languages that are easier to read and write programs in is useful? Do you think this leads to better or worse programs? What problems could arise from non-programmers developing software in such languages?

**Discussion point 3:**

Do you think a programmer is ethically or morally responsible for the code they write? What if it is misused? What if it contains a serious flaw?