ASSIGNMENT 1
[Review Questions]

MARASIGAN, VEM AIENSI A.
3BSCS-1

1. **Why is it useful for a programmer to have the ability to learn new languages, even though he or she may have a good knowledge of a number of programming languages?**

   We must have the ability to learn new languages in order to have the capability to become flexible in using different languages. Because different software might depend different programming language during development therefore the ability to become flexible is necessary.

2. **Why is it essential to choose an appropriate programming language for a specific software solution?**

   This is because different software have their unique purposes and features. That is why it is essential to choose a specific programming language that can efficiently run support the desired features or functions of the software and will also reduce future bugs or compatibility issues.

3. **In which programming language were most of the AI applications developed prior to 1990?**

   Lisp was the first programming language that was used in most AI application development back when it appeared in 1959. Then, Prolog became an alternative and was used in logic programming which appeared during early 1970s.

4. **Why does too much orthogonality cause problems?**

   As of my understanding, orthogonality means using enough primitives to make simpler combinations. However, too much orthogonality means unreasonably limiting to a small number of primitives making its data prone to damage as it might unexpectedly overwritten when running the combinations or algorithms which will then cause undetected errors.

5. **Explain how "writability" is used as a measure of how easily a language can be used to create programs?**

   Considering the influence of writability in program creation is essential as it promotes simplified or shortened alternate codes rather than unnecessary longer ones. Another thing is that it also increases readability of the program since it promotes simpler codes making it easier to be read and modify if necessary.