Critical Thinking Task:

1. A type is the range of valid values as well as the range of valid operations that can be done on that specific data.
2. A strongly typed language is a programming language which identifies every type error during compilation or runtime. A weak typed language is one which does not identify every type error in compilation or runtime which can result in errors during the execution of the program.
3. The reason there are more bug in applications with weakly typed languages are because the compiler does not identify all type errors during compilation or runtime, which in turn leads to bugs. Strongly typed languages can avoid this because all errors will be identified during compilation or runtime, and will not result in bugs, just identification of errors.