

AGBOOLA ABIOLA
 17/SCI01/007
 COMPUTER SCIENCE
 CSC310

ASSIGNMENT

Interpreter	Compiler	Assembler
Software that translates a high level language program into machine language	Software that converts programs written in high level language program into machine language	Software that converts programs written in assembly language into machine language
Converts the high level language program to machine language line by line	Converts the whole high level language program to machine language at a time	Converts assembly language program to machine language
Used by Ruby, Perl, Python, PHP	Used by C,C++	Used by assembly language
Interpreter takes less time to analyze the source code but the overall execution time of the program is slower	Compiler takes large amount of time to analyze the entire source code but the overall execution time of the program is comparatively faster	Runs quickly as conversation between two low level languages is just reliant on the processors instruction set
Displays error of each line one by one	Display errors after compilation, all at the same time	Assembler checks each instruction for its correctness and generates diagnostic messages, if there are mistakes in the programs