

Day 1 assignment

Q.Differences between compiler and interpreter.

Compiler	Interpreter
Compiler converts a program into machine code as whole.	Interpreter converts a program into machine code one statement at a time.
Compiler creates object code file.	Interpreter does not create object code file.
Program execution is fast.one the program is compiled then an object code file will be generated and we don't need to re compile the program until we made any changes to Source code.	Program execution is slow. Because every time we want to run a programe it gets interpreted.
Error detection and removal is difficult. Because compiler show a list of errors.	Error detection is easy. Because only one line is translated at a time and error can be identified easy.
The compiler is best suited for production environment.	The interpreter is best suited for software development environment.
The compiler is used for programming languages such as C,C++,C#,JAVA etc	The interpreter is used for programming languages such as python,PHP.Pperl,Ruby etc.