

Assignment Day 1

1] Difference between interpreter and compiler

Interpreter

Interpreter translates just one statement of the program at a time into machine code.

An interpreter takes very less time to analyze the source code. However, the overall time to execute the process is much slower.

The interpreter never produces any intermediate machine code.

It is less efficient

It is slower

Interpreters are smaller than compilers.

Compiler

Compiler scans the entire program and translates the whole of it into machine code at once.

A compiler takes a lot of time to analyze the source code. However, the overall time taken to execute the process is much faster.

The compiler generates an intermediate machine code.

It is more efficient.

It is faster

Compilers are larger in size.