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. A compiler always generates an intermediary object code. It will need further linking. Hence more memory is needed.

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. An interpreter does not generate an intermediary code. Hence, an interpreter is highly efficient in terms of its memory.