Difference Between Compiler and Interpreter

Compiler	Interpreter
*Compiler Takes entire program as input.	*Interpreter Takes single program or instructions as input.
*Intermediate object code is generated	*No intermediate object code is generated.
*Conditional Control statement are Executes faster.	*Conditional control statement are executes slower.
*Memory requirement is more.	*Memory Requirement is Less.
*Program need not be compiled every time.	*Every time higher level program is converted into lower level program.
*Errors are displayed after entire program is checked.	*Errors are displayed for every instruction interpreted.
*A compiled language is more difficult to debug.	*Debugging is easy because interpreter stops and report errors as it encounters them.
*It can be used to find errors in source program.	*It can also be used to find errors in source program.
Ex: C Compiler.	Ex: Python.