Compiler vs Interpreter

Comparison	Compiler	Interpreter
Input	Takes the entire program at a time	Takes a single line of code at a time
Output	It generates intermediate object code	It does not produce any intermediate object code
Working mechanism	The compilation is done before execution	Compilation and execution take place simultaneously
Speed	Faster	Slower
Memory	More memory required due to creation of object code	Less memory required as it doesn't create intermediate object code
Errors	Display all errors after compilation, all at the same time	Display errors of each line one by one
Error detection	Difficult	Easier
Programming languages	C, C++ , C , Scala	PHP , Python , Ruby , Perl