Comiler:

A compiler is a software program that follows the syntax rule of programming language to convert a source code to machine code. If any error if present in a program, it generates an error message, if your program is error free then it will generate machine code.

Interpreter:

An interpreter is also a software program that translates a source code into a machine language. However, an interpreter converts high-level programming language into machine language line-by-line while interpreting and running the program.

Difference between Compiler and Interpreter:

Compiler	Interpreter
1. A compiler translates complete high-level programming code into machine code at once.	An interpreter translates one statement of programming code at a time into machine code.
2. As the source code is already converted into machine code, the code execution time becomes short.	As the source code is interpreted line-by-line, error detection and correction become easy.
3. It stores the converted machine code from your source code program on the disk.	It never stores the machine code at all on the disk.

These are basics difference and main.