

DIFERENCES BETWEEN COMPILER AND INTERPETER

COMPILER

- 1) Compiler scans the whole program in one go.
- 2) As it scans the code in one go, the errors (if any) are shown at the end together
- 3) Main advantage of compilers is it's execution time
- 4) It does not require source code for later execution.
- 5) It converts the source code into object code.
- 6) C, C++, C# etc.

INTERPETER

- 1) Translates program one statement at a time.
- 2) Translates program one statement at a time.
- 3) Considering it scans code one line at a time, errors are shown line by line.
- 4) Due to interpreters being slow in executing the object code, it is preferred less.
- 5) It does not convert source code into object code instead it scans it line by line
- 6) Python, Ruby, Perl, SNOBOL, MATLAB, etc.