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| INTERPRETER | COMPILER |
| Interpreter program works line by line.  It takes one statement at a time as input. | Compiler works on the complete program at once.it takes the entire program as input. |
| Interpreter does not generate intermediate object code or machine code. | Compiler generate intermediate code, called the object code or machine code. |
| Interpreter execute conditional control statements at a much slower speed. | Compiler executes conditional control statements and logical constructs faster than interpreter. |
| Interpreter does not generate intermediate object code. As a result interpreted programs are more memory efficient. | Compiled programs take more memory because the entire object code has to reside in memory. |
| Interpreted programs are interpreted line-by-line every time they are run. | Compile once and run anytime. Compiled program does not need to be compiled every time. |
| Error is reported as soon as the first error is encountered. Rest of the program will not be checked until the existing error is removed. | Errors are reported after the entire program is checked for syntactical and other errors. |