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| --- | --- |
| # | Is a comment |
| print | Displays on screen |
| “” | Defines a string |
| ‘’ | Also defines a string |
| , | Concatenates two different variables together e.g. a string and an integer |
| 25 | A number without a decimal is an integer |
| + | Adds two values together |
| / | Divides two values together |
| - | Subtract two values together |
| \* | Multiply two values together |
| % | Modules two values together |
| < | Performs a greater than operation |
| > | Performs a less than operation |
| >= | Greater than or equal to |
| >= | Less than or Equal To |
| = | Defines a the value of a variable |
| 3.0 | Numbers with a decimal point are “floating point” numbers |
| Cars | Text that isn’t an operator defines a variable. Must not contain white space |
|  | White space defines the end of a piece of code |
| () | Contains required arguments following a operator |
| % | Defines a formatter to be nested in a string |
| %s | Formatter for a string |
| %d | Formatter for an integer |
| %f | Formatter for floating point number |
| %r | Formatter that converts any value into a string |
| \\ | Escape Sequence:[[1]](#footnote-1) backslash |
| \’ | Escape Sequence: single quote |
| \” | Escape Sequence: double quote |
| \a | Escape Sequence: ASCII bell |
| \f | Escape Sequence: ASII formfeed |
| \n | Escape Sequence: ASCII linefeed (new line) |
| \N{name} | Escape Sequence: character named in the Unicode database |
| \rASCII | Escape Sequence: change return(CR) |
| \tASCII | Escape Sequence: Horizontal tab |
| \uxxxx[[2]](#footnote-2) | Escape Sequence: character with 16bit hex value |
| \uxxxxxxxx | Escape Sequence: chacter with 32bit hex value |
| \v | Escape Sequence: ASCII vertical tab |
| \ooo | Escape Sequence: Character with octal value |
| \xhh | Escape Sequence: Charater with hex value hh |
| “”” | Multi line string |
| \t | Escape Sequence: Tabs text in |
| raw\_input() | Takes raw input from user and converts it to a string |
| argv | Asks for arguments when script is run |
| from | Part of an import statement, defines the package to be imported |
| import | Imports module/part of module |
| script | Unpacks imported module |
| open(‘file\_name’, ‘arguments’) | Opens a file and returns a file object. |
| . | Gives a value a command |
| read() or open(file\_name, ‘r’) | Reads a file |
| truncate() | Empties file |
| write() | Writes data to file |
| len() | Finds length of a string |
| Exists | Returns true if finds its name in a string, false if not. |
| def variable\_name(arguments,) | Defines a function |
| \*args | Asks for arguments when a function is run |
| seek() | Moves the read curser to whatever byte is stated |
| readline() | Reads the line stated in arguemetns |
| return | Sets variable to a value from a function |
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1. Escape sequences allow the use of characters that have special meanings in strings e.g. a single quote would normally end a string [↑](#footnote-ref-1)
2. Where xxx is a 16bit hex value [↑](#footnote-ref-2)