

PYTHON CHEAT SHEET

- 1) **Variables** - We should always use meaningful names which are related to the code that we are writing and they should be easy to pronounce. Example- using 'abc' or 'xyz' which do not have any relation to the code should be avoided.
- 2) We should use the same vocabulary for the same type of variable. Example- if we use 'customer' as a variable, we should use the same for the entire code and not use variables like 'people' or any other variable for the same reference.
- 3) It is always better to reduce the dependence on regexes. Regular expressions are good but if they are applied very often, then it leads to a lot of confusion.
- 4) Function names should say what they are meant to do.
- 5) Commenting is a very good practice but we should avoid writing 2 or more lines of comment for a single function. Also we should refrain ourselves from writing comments for obvious tasks.
- 6) We should use double quotes "" for strings instead of single quotes ' ' in order to avoid confusion with apostrophes.
- 7) Python is very sensitive to code formatting. We should avoid unexpected indents while writing Python codes.
- 8) We should optimize code by using minimal Else in the conditional statements.
- 9) While performing complex operations in python, it is better to use built-in functions as much as possible.
- 10) We should try to avoid writing multiple statements in a line. It makes the code look unclean. Writing statements in different lines makes the code look cleaner.
- 11) Each function should perform only one task. It is better to not use 'and' while writing functions.
- 12) It is recommended not to add unnecessarily too many variables while defining variable names in classes.
- 13) We should try to use try catch and Exceptions as much as possible just to prevent the program from getting abended.