Python is one of the most popular and versatile programming language out there. It is famous for its simplicity and readability of code and being beginner friendly. A lot of folks start their programming journey with python because it allows you to think and code like a programmer without wasting time on confusing syntax.

This article aims at highlighting some of these “tips and tricks” which I have found useful in the past few years. They are simple and beginner friendly and can help in making the code more easily readable and perhaps efficient. So without further ado, let’s dive right into these tips and tricks!

1. Type of “input()” function is always string. If you want int or float use “int()” or “float()” with the corresponding variable.
2. Lengthy strings can be difficult to read or debug. Use “”” input string here””” to multi-line strings. You can also use this with fstring.
3. Use ternary operator to quickly test a condition instead of multi-line If else statement.
4. To remove duplicates from a list, convert the list into a set. Sets are unordered data structures with unique values.
5. Convert two lists into dictionary by using zip function. Let’s say you have two lists, and one list contains keys(keylist) and the second contains values(valuelist). To convert it into dictionary use “ newDict = dict(zip(keylist,valuelist))”

I hope the few tricks I have highlighted above help you in writing compact code for your projects. It is of course not an exhaustive list and will continue to update it as and when I come across some new ones. Till then happy coding!