



Quick Python Course

Session 1 – Practice Assignment

Topics Covered
<ul style="list-style-type: none">• Introduction and History• Applications of Python• Installation• Using Interpreter from console• .py files• Using Visual Studio Code• Anatomy of a simple program• Literals• Variables• Dynamic Types• Built in methods• Input• Converting string input to integer and back• Concatenation• String functions

Question #1:

Install Microsoft Visual Studio Code and install the python extension by Microsoft.
Run the programs covered in the session. You can write them or download them from GitHub

Question #2:

Write a simple program that asks your name. Once you provide your name it greets you with Hello. So if your name is “Ali”, the program should output Hello Ali

- Change this program to input your name and age and then print it out. It should now print
Hello Ali

Your Age is 25 years

- Change this program so that it could add 5 years to your age and then print
Hello Ali

Your current Age is 25 years

In 5 years you will be 30 years old.

Question #3:

Lets write a program that reads the news one headline at a time. If a headline contains the word “Corona”, the program changes that to “computer” and print the headline. For example, If you enter a headline

10 cases of corona virus reported today

The program should output

10 cases of computer virus reported today

Question #4:

Swap two numbers without using a third variable.

Hint: Use arithmetic operators

Question #5:

Write a program that inputs a string and slices that using negative numbers. For example,

For input "The quick Brown fox jumped over the lazy dog"

Slice that using [-1:-3] , [-1:2], [-5:], [:-7], [10,-10]

Do this on paper first. Then run your code and justify your answer. Feel Free to experiment with different values