

IoT - Python Assignment - 03

1. Explore built-in methods that you can use on strings. [upload all your demos on git]
2. Explore string slicing using some input. [upload all your demos on git]
3. Write a function to count number of vowels in a given string. Write another function to count the number of consonants. Write one more function to calculate the ratio of number of vowels to number of consonants in given string. Input a string from user and print the ratio.
4. Implement menu driven program to perform basic arithmetic operations. All operations to be performed in separate functions.
5. Explore default parameter values of function, Keyword Arguments (You can send arguments with the key = value syntax) and how we can pass function to the another function. [upload all your demos on git]
6. Write different functions to perform basic arithmetic operations. Write another function with name calculate which takes three arguments as operand1, operand2 and function to perform operation and returns the result of operation. Test above function for different set of inputs.
7. Write recursive function to find factorial and power.