

INTRODUCTION TO PYTHON

Numbers, Variables, Strings and Printing.

Exercise 1. Write an equation that uses multiplication, division, an exponent, addition, the modulo operator and subtraction that is equal to 100.25.

Exercise 2. Given the string “hello”:

- (1) Give an index command that returns 'e'
- (2) Reverse the string using slicing
- (3) Give two methods of producing the letter o using indexing

Python Statements.

Exercise 3. Use **for**, **.split()** and **if** to create a statement that will print out the words that start with “s” in the string: `st = 'Print only the words that start with s in this sentence'`

Exercise 4. Use **range()** to print all the even numbers from 0 to 10.

Exercise 5. Go through the string below and if the length of a word is even, print “even!”: `st = “Print every word in this sentence that has an even number of letters”`

Exercise 6. Write a program that prints the integers from 1 to 100. But for multiples of three, print “Fizz” instead of the number, and for the multiples of five print “Buzz.” For numbers which are both multiples of three and five, print “FizzBuzz.”

Exercise 7. Use a Python statement to compute the GCD of two numbers.