Introduction to Computer Science & Programming in Python

Introduction

This exercise is to get you started in Python programming language. If you're familiar with python before, you can still treat it as a revision to brush up the basics. It covers user inputs and basic arithmetic operations. Instructions on how to setup your environment for Python can be found in any of the links in the resources section.

Resources

1. https://docs.python.org/3/tutorial/index.html

2. https://www.tutorialspoint.com/python/

3. https://program.bruintech.org/wp-content/uploads/2018/01/learn-python3-the-hard-way-jul-4-2017.pdf

Questions

1. Setup your development environment and make sure you can execute basic python programs.

2. Write a program that asks users to enter their name and their age. Print out the name and age entered.

3. Create a program that asks the user to enter their name and their age. Print out a message addressed to them that tells them the year that they will turn 100 years old.

For example: "Welcome David, You will be 100 years old in year 2080"

4. Create a program that asks users to enter two numbers A and B. The program should perform the following operations on the numbers and print the result:

   a. Addition.

   b. Subtraction.

   c. Division.

   d. Multiplication.

   e. Modulus.

5. Describe how you would get the length of a list in python.