IDC306: Biocomputing
Assignment-7
Date: 4 Mar 2024

For Python beginners:

1. Write functions to do the following:
   a. Find the summation of two, or three numbers. It should return the sum of numbers.
   b. Extend the function in (a) to find the summation of any input numbers.
   c. Write a function, which will input a list of numbers and return a list of squares of the numbers.
   d. Write a function to return a list of prime numbers less than a specified number.

For rest others:

1. Write function:
   a. To read pdb file, it should return dict() as output. **data=readPdb('filename')**
   b. Compute the frequency of an amino acid of a given data as dict();
     freqAA=findComposition(data,'Amino Acid')
   c. Compute the distance between two names atoms of residue ids; **dis=findDist(data,RESID1, RESID2, ATOM1, ATOM2)**
   d. Compute the angle between three atoms of residue ids = **angle=findAngle(data,RESID1, RESID2, RESID3, ATOM1, ATOM2, ATOM3)**