Programming 1

1. **Exercise**
   Write a Python program to find whether a given number (accept from the user until the number not equal with 0) is even or odd, print out an appropriate message to the user.

2. **Exercise**
   Write a Python program to compute the greatest common divisor (GCD) of two positive integers (accept from the user).

3. **Exercise**
   Write a Python program to compute the distance between the points (x1, y1) and (x2, y2). Read the coordinates from the input.

4. **Exercise**
   Write a Python program to calculate the sum of the digits in an integer.

5. **Exercise**
   Write a Python function that accepts a comma separated sequence of words as input and give back a list which contains the unique words in sorted form (alphanumerically).
   Sample Words : red, white, black, red, green, black
   Expected Result : black, green, red, white

6. **Exercise**
   Write a Python function to get a string made of its first 'n' characters of a specified string. If the length of the string is less than 3 then return the original string. Read the word and the number from the input.
   Sample function and result :
   first_n('ipy',3) -> ipy
   first_n('python',3) -> pyt