Python Mini Exercises:

1. Create two integer variables that take user input. Create a function that takes those two variables as the parameters. If the product of the two variables is greater than 1000, return the sum. If the product is less than 1000, return their product.
2. Create a list variable with values 12, 15, 32, 42, 55, 75, 122, 132, 150, 180, 200. Iterate through the list and display all numbers divisible by 5. If a number if greater than 150, stop the loop iteration.
3. Create a start and end of range variable. Write a program that will display all the prime numbers between the start and end of that range. Remember, a number is prime if it is a whole number whose factors are 1 and the number itself.
4. Create a function that takes in a string parameter and returns the number of vowels that contained within the string. For example, if the function was given the parameter "Computer" it would return 3. Vowels are a, e ,i , o ,u . The string parameter will not contain spaces (so the function only takes in one word).
5. Given list "a" with values 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89 and list "b" with values "1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13", write a program that will return a list which contains only the elements that are common between the lists (aka remove the duplicates). The program should work on lists of two different sizes.