## Prime Number

## Program Description:

Create a program which shows the factors of any integer inputted by the user. The factor outputs must be outputted in both a scrolling textbox as well as a list box. Required operations include finding the sum of factors and whether the inputted number is prime.

## Rubric:

"B"

- factors - sum of factors - number of divisors - 2 ways of output: textbox and list box - prime or not

"A"

-GCF -LCM -2 numbers

## Sample output:

1. Gui before any input:



2. Gui after entering in numbers (only need 2 numbers, this project was tryhard)

I. Ou	umber	lock PowerPla	per 4	Olibonanto 19 tt 1		mana Managari	in touch 200 200	
	23		8		46	Wileuss	128	Primes to
Factors	1 23		2369 ^	Factors	1 2 23 46	Factors	1240	47
		18	3				16 32 64	2 3 5 7 11 <sup>^</sup> 13 17 19
1	23	1 2	3 6	1 2	23 46	1 2	4 8	23 29 31
Sum of Factors	24	Sum of Factors	39	Sum of Factors	72	Sum of Factors	255	37 41 43 47
Number of Factors	2	Number of Factors	6	Number of Factors	4	Number of Factors	8	
It is	prime!	It is not	prime!	It is no	ot prime	! It is n	ot prime!	
GCF:	1,2	1,3	2,3		1,4	2,4	3,4	1,2,3,4
	1	23	2		1	2	2	1
LCM:	1,2	1,3	2,3		1,4	2,4	3,4	1,2,3,4
	414	46	414	2	944	1152	2944	2437632

If clear is pressed the program should go back to the way it was in figure 1.