

Problems related to function

1. Input a number and display summation of all factors of that number. Calculating summation of factors should be done in a function.

Sample Input: 10

Sample Output: 18

Possible function looks like:

```
Int FactorSum(int p){  
----  
----  
----  
}
```

2. Input two numbers and display how many common factors are available in those two numbers. Calculating the number of common factors should be done in a function.

Sample Input: 10 15

Sample Output: 2

Possible function looks like:

```
Int CommonFactor(int p, int q){  
----  
----  
----  
}
```

3. Input some numbers and display the maximum number of that array. Calculating the maximum should be done in a function.

Sample Input: 5

12 15 11 22 14

Sample Output: 22

Possible function looks like:

```
Int FindMax(int *p, int n){  
----  
----  
----  
}
```

4. Input a word and display the ratio between vowels and consonants of that word using a function.

Sample Input: Apple

Sample Output: 0.666667

Possible function looks like:

```
float Ratio(char *p){  
    ----  
    ----  
    ----  
}
```

5. Input a word and display number of uppercase letters in that word using a function.

Sample Input: Apple

Sample Output: 1

Possible function looks like:

```
Int CountUpper(char *p){  
    ----  
    ----  
    ----  
}
```

6. Input a sentence and display the length of each word (May use a function. Or without function is also ok)

Sample Input: Baby is sleeping

Sample Output: 4 2 8

7. Input a sentence and display the length of the highest word (May use a function. Or without function is also ok)

Sample Input: Baby is sleeping

Sample Output: 8

8. Input a sentence and display the longest word (May use a function. Or without function is also ok)

Sample Input: Baby is sleeping

Sample Output: sleeping

