

19/11/2017

BLM5230
Assignment – 2
(Due 28/11/2017 – 23:59h)

Q1

Read a paragraph into a character array and save each word of the paragraph into a matrix. Then, find how many times each word occurs within this paragraph and save this information into the first column of each row.

Inputs: A paragraph
Output: The number of appearance of each word
Each word

Example

Input: In this paragraph, I will give detailed information about the question. The question is not so difficult. Read this paragraph carefully and try to solve this question.

Output: The matrix

1	i	n									
3	t	h	i	s							
2	p	a	r	a	g	r	a	p	h		
1	i										
1	w	i	l	l							
1	g	i	v	e							
1	d	e	t	a	i	l	e	d			
1	i	n	f	o	r	m	a	t	i	o	n
1	a	b	o	u	t						
2	t	h	e								
3	q	u	e	s	t	i	o	n			
1	i	S									
1	n	o	t								
1	s	o									
1	d	i	f	f	i	c	u	l	t		
1	r	e	a	d							
1	c	a	r	e	f	u	l	l	y		
1	a	n	d								
1	t	r	y								
1	t	o									
1	s	o	l	v	e						

Submission

- Assignments submitted after submission deadline (at most 2 days late) will be evaluated over 50. Do not send any e-mail 3 days after submission deadline.
- Collaboration on any assignment is strictly prohibited. Submitted assignments are automatically checked for similarities. Infractions will be given a zero for the entire assignment.
- Assignments **MUST** be submitted by e-mail. Every student must send his/her assignment to the following e-mail address.

amac@yildiz.edu.tr

- Subject of the e-mail **MUST** contain course name, Assignment # and student name and surname in specified format written below;

Example Subject :

BLM5230_Assignment_1_Name_Surname

Content

1. An archive (zip, rar) file which contains only **ONE report file** and **ONE or MORE source files**. The question number indicates the number of source files.

2. The report file should include

- **1. Question** - A brief description for the question
- **2. Solution** - An explanation for the solution
- **3. Analysis** - Numerous (at least 5, if necessary more) screenshots to show that your program runs correctly
- **4. Source Code** - The source code (use Notepad++ or the equivalent to have colored codes)

About Source Code

The source file must include **comments** which explain the code
The code should be **well-designed**.

3. The name of the submitted files must contain student name and surname.

Example: **zip/rar filename :** **Name_Surname.rar**

The zip/rar should contain

pdf filename: Name_Surname.pdf
Source filename: Name_Surname.c
// No separate jpg, bmp, etc. files

EXAMPLE CODE-I

```
/**
@file
BBG2 spring2013 assignment 1.

A program that checks whether the number
is even or odd.
It prints 1 for odd numbers, 0 for even numbers

@author

Name:          Bart Simpson
Student no:    08011001
Date:         11/02/2013
E-Mail:       bart_simpson@gmail.com
Compiler used: GCC
IDE:          CodeBlocks
Operating System  Windows 7
*/

#include<stdio.h>

/**
Main function. Reads the number and prints the result
*/

int main(){

    int number,result;
    // reading the number:
    scanf("%d",&number);
    // checking whether the number is odd or even:
    if((number%2)==0){
        result=0;
    }
    else{
        result=1;
    }
}
```

```
        // output the result:
        printf("%d\n", result);

    return 0;
}
```