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| **INTRODUCTION TO PROGRAMMING IN C (IS-FEE-10061S)**  **WEEK 08** | | | |
| **First Name** | **Last Name** | **Date** | **Points** |
|  |  | **18.04.2024** |  |

**Comments:**

* complete the data in the table above
* paste the program codes in the designed places
* send the file by the end of the day on which the next class will take place

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| **Program no. 1** |
| Write a program that reads one line of text (which may contain spaces) and performs the following tasks:   * print the text on the screen; * calculate and print the total number of characters in the text; * calculates and print the number of lowercase letters and the number of uppercase letters in the text; * replace all lowercase letters with uppercase letters and print the modified text; * replace all uppercase letters with lowercase letters and print the modified text again.   Example of program execution:  **Enter the text: C is an Efficient Language.**  **Your text: C is an Efficient Language.**  **Number of characters: 27**  **Number of lowercase letters: 19**  **Number of uppercase letters: 3**  **C IS AN EFFICIENT LANGUAGE.**  **c is an efficient language.** |
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| **Teacher's comments:** |
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| **Program no. 2** |
| Write a program that reads one line of text and then deletes all space characters at the beginning and end of the text. For example:  **" Hello world! " 🡪 "Hello world!"**  Before:    After: |
| **Program code:** |
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| **Teacher's comments:** |
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| **Program no. 3** |
| Write a program that reads one line of text and then calculates the number of words in that text.  Example of program execution:  **Enter the text: C is an efficient language.**  **Number of words: 5** |
| **Program code:** |
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| **Teacher's comments:** |
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| **Program no. 4** |
| Write a program that reads up to 10 lines of text. Reading terminates when 10 lines have been read or when an empty string is entered (i.e. the user presses Enter without entering text on a line). Print the entered lines in reverse order (from last to first).  Example of program execution:  **Enter text:**  **--------------------------**  **The first line of text.**  **The second line of text.**  **The third line of text.**  **The fourth line of text.**  **--------------------------**  **The fourth line of text.**  **The third line of text.**  **The second line of text.**  **The first line of text.** |
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| **Teacher's comments:** |
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