

OOP LAB #08

LAB TASK- File Handling

Submission:

You have to submit a word /pdf file that will contain task number, code of the task [Copy paste the code] and screenshot of the output.

1. Write a program that:
 - a. Ask the user to enter a paragraph and write the entered paragraph in file.
 - b. Ask the user to enter a word and **search that specific word** in file and print if the word is found or not.
 - c. Your program should also count how many times that **specific word** occurred.

2. Write a program that reads a file consisting of students' name and test scores in the range 0–200.
It should then determine the number of students having scores in each of the following ranges: 0–24, 25–49, 50–74, 75–99, 100–124, 125–149, 150–174, and 175–200.

Output the score ranges and the number of students.

(Run your program with the following

input.txt

```
Haseeb Jan 76
Imran Younas      89
Allah Rakha 150
Aadil Shah  135
Bilal Rao    200
Zohra Sardar    76
Husni Ara    12
Muhammad Ahmad  100
Jawad Khan 150
Muneeb Ali  28
Mughees Arif  178
Mohsin      189
Umar Farooq  167
Hafiz Akbar 200
Muhammad Umar 175
Muhammad Shaheer 150
Muhammad Usman  87
Abdul Nafay 99
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Asad Ullah 129
Hamza Rehman 149
Abdul Muqsit 176
Muhtad Asif 200
Wahaj Tahir 87
Muhammad Abbas 35

3. Write a program to calculate students' average test scores and their grades.

You may assume the following input data:

Johnson 85 83 77 91 76
Aniston 80 90 95 93 48
Cooper 78 81 11 90 73
Gupta 92 83 30 69 87
Blair 23 45 96 38 59
Clark 60 85 45 39 67
Kennedy 77 31 52 74 83
Bronson 93 94 89 77 97
Sunny 79 85 28 93 82
Smith 85 72 49 75 63

Use three arrays:

A one-dimensional array to store the students' names

A two-dimensional array to store the test scores

A one-dimensional array to store grades.

Your program must contain at least the following functions:

A function to read and store data into two arrays

A function to calculate the average test score and grade

A function to output the results.

Have your program also output the class average.