**Programming Fundamentals**

**Assignment 2**

**Topic: Functions / File Handling**

**Due Date: 27th April 2022 8:00 PM Total Marks: 30**

**Instructions to submit assignment:**

* **Please make a folder by your name and place two separate .cpp files of each question in it and winzip or winrar the folder.**
* **Submit the zipped folder on portal under Assignment 2 submission**
* **Late submissions will not be entertained in any case, try to submit assignment atleast one hour before the prescribed time to avoid emergency cases.**

**A project Manager wants to create a project to store records of 4 students in four different file. The program should implement the following features using functions (Make as many functions as possible):**

1. **Create file (one for each student) having same name as the student’s name, entered by student at start of program.**
2. **Read student’s details from console including his/her name, age, current city, and favorite subject, and store all these details in his/her file with appropriate labels. A Sample file created below for a student named Ahmed:**

**Ahmed.txt**

|  |
| --- |
| **My age is 18 My Current City is Islamabad My Favorite Subject is English** |

1. **View Saved Information of the desired student from his/her file.**
2. **Extract age of all the students from their files and create a separate file ages.txt with ages stored in separate lines. A sample file given below**

**Ages.txt**

|  |
| --- |
| **18 17**  **18**  **16** |

1. **Count how many students have English as a favorite subject.**
2. **Exit program**