# Capital University of Science and Technology
## Department of Computer Science

### CS1143 - Object Oriented Programming
### ASSIGNMENT NO. 02

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| **Semester:** FALL 2024 | **Max Marks:** 10 |

**Instructors:**  Muhammad Zeeshan Sabir

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| **Assigned Date:**   7 Nov 2024 @ 10:00 am | **Due Date:** 7 Nov 2024 @ 11:59 pm |

<u>**Question 01**</u>
**Submit the code of the following program:**

- **Create a class "Student" that should have private data name, age, gpa.**
- **Create constructor to initialize the students with values.  Also define a setter function to set all values at once,**
- **Write a function that should record students' data to a file. It should open the file in append mode, so it could not overwrite the file.**
- **In main, your program should ask the option from user to write create students or search student, if user choose yes, then get the data from user and write it to a file.**
- **if user choose search, then get the name of the student and display all the data if user is already written to a file, else it should display message "User does not exist"**