



# University of Central Punjab

(Incorporated by Ordinance No. XXIV of 2002 promulgated by Government of the Punjab)

FACULTY OF INFORMATION TECHNOLOGY

## Programming Fundamentals

Section: B15

Assignment	02	Topic	File Handling and Functions
Deadline		Tuesday May 31, 2022: 11:59:59 pm	

### Description

You have to write a program using C++ that shows the following menu to user:

Press 1 to add a new student  
Press 2 to display all students  
Press 3 to delete a student record  
Press 4 search a student  
Press 0 to exit the program  
**Your choice:**

### Add new student:

If users choose to add a new student, program ask you to enter details of the students. Student details include; student\_id, student\_nam, student\_age, student\_cgpa. Student\_id can be your registration no. finally, your program saves the record in a text file.

**Hint:** the format of record in the text file can be in such way that each line contains a piece of information.

### Display All students

If users choose this option, your program reads all records from file and display it on console screen. You may be given bonus marks if you display data in tabular form.

### Delete student record

If users choose this option, program ask you to enter the student\_id and deletes the record from text file. If id is invalid, it shows a message that record not found, please enter a valid id.

### *Search a student*

If users choose this option, program ask user to enter student\_id and search the record in the text file and show it on console. If record not found it simply shows record not found.

### *Exit program*

If user enters 0 as menu option, your program exits.

*Please note that for each option, there should be a separate user defined function. Do not write all code in main function. You can have any no. of user defined functions if needed.*

*The End*