Lab Task:

Date: June 13, 2025.

You can submit this task till June 14, 2025 till 8:00 pm

Question1:

Write a menu driven program in C++ that will do the following tasks

A. Define a structure to store employee information (e.g., emp_ID, emp_name, emp_salary). Write a program to create a binary file and store multiple employee records into it.
B. Write a function **find()** to search for an employee record in a binary file based on the employee ID.
C. Write a function **Modify()** to update an employee record in a binary file.
D. Write a function **Insert()** to insert a new record at a specific position in a binary file.
E. Write a function **delete()** to delete a record from a binary file based on a specific criterion (e.g., employee ID).
F. Write a function **sort()** to sort the records in a binary file based on a specific field (e.g., employee salary).
G. Note: use appropriate stream/ file handling parameter or other parameter where needed.

Question2:

Define a structure to store student information (e.g., st_ID, st_name, st_averageMarks). Write a program to create a binary file **stu.dat** and store multiple student records into it. Suppose the grading criteria is as follows

averageMarks	Grade
Greater than or equal to 80	A
Greater than or equal to 60 but less than 80	B
Greater than or equal to 50 but less than 60	C
Less than 50	F

Now create a separate file gradeA.dat, and store only those student records on that file who got A grade also find how many students got A grade. Similarly

create separate files gradeB.dat, gradeC.dat, and gradeF.dat and store only those student records on those file who got B grade, C grade and F grade also find how many students got B grade, C grade and F grade.

Also display data of gradeF.dat file on the monitor as well.