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SE 124.02

Programming Assignment One

Purpose: This program will determine the amount of dues owed by club members. The dues will be based on type and length of membership.

Program Assignment Two

Purpose: To produce a sequential file that will contain airline flight data. The program will prompt the user for data needed to create the file. The data will be sent to a file named airline\_data.txt. A summary of the data in the file will be displayed to ensure data integrity.

Programming Assignment Three

Purpose: This program will analyze test scores for students in a class. The user will be given the option to input students' information, including test scores. This input will be stored in a sequential file named 'class\_grades\_report.txt'. If the user chooses not to enter the students' information, than the program will use an existing file. Information from the file 'class\_grades\_report.txt' will be used to process student test scores into letter grades for each student. A summary report will be generated with individual results for each student along with the number of students processed and the amount of each letter grade issued.

Program Assignment Four

Purpose: This program will determine a student's current academic standing using data retrieved from an institute of higher learning's student database (student\_data.txt). The user will be prompted to enter a student's ID number. The program will then check to see if that student's ID is in the database. If found, the student's current academic standing will be displayed.

Programming Assignment Five

Purpose: This program will search payroll data to determine whether an employee has earned overtime. The user will be allowed to create their own payroll data file or to use an existing file to perform individual employee payroll searches. A brief summary will be printed if the file is or is not found. Once the user is done looking up individual files, the program will print an overtime summary if any employees were eligible.

Program Assignment Six

Purpose: To create two Charter Passenger Load Reports from user entered data. The program will output one CPLR with the data sorted by Airline name. The other CPLR will be generated with the same data, but sorted using the destination. Once the two CPLRs have been viewed by the user, the program will exit out.

Program Assignment Seven

Purpose: To track college enrollment activity in a variety of different courses. The user will be given an option of entering data for the purpose of this program or using an existing data file. The user will then have an opportunity to select different ways to view the data or to search for an individual record. Once the user has attain the information they were requesting, they can elect to exit and terminate the program.