

Lab Manual

Course : CSE -103
Credit Title : Structured Programming
Instructor : Dr. Maheen Islam, Associate Professor, CSE Department

Lab-10: Files

Exercise 1: Write a C program to copy one file into another. Create two text files named as input and output, where input file acts as a source file where the data to be copied is stored and the output file is the destination file for storing the copied data. Get the data from source file (opened in read mode) using gets function and copy the data to the destination file.

OUTPUT:

Enter the source file name to be copied: input.txt

Enter the destination file name: output.txt

Copy completed

Input.txt:

Good morning

Output.txt: (after copying)

Good Morning

Exercise 2: Write a C program that reads 10 integer values from an input file input.txt one by one and check whether the number is even or odd. If the number is even it stores it in a file called even.txt, otherwise if the number is odd it stores it in a file called odd.txt.

OUTPUT:

Data items in input file

2 6 4 8 10 12 89 68 45 37

Data items in even.txt file

2 6 4 8 10 12 68

Data items in odd.txt file

89 45 37

Home Assignment

Problem 1:

Write a C program that reads the values in the elements of the 10-element array **A** and sorts the values into descending order. Use input and output files.

OUTPUT:

Data items in input file

2 6 4 8 10 12 89 68 45 37

Data items in output file

89 68 45 37 12 10 8 6 4 2

Problem 2:

One student has sit for seven tests for a particular course. The final mark for that course is the average of six tests' marks (the lowest mark will be thrown out). Using two-dimensional array, input and output files, write a C program that calculates the final marks for 15 students who took that course.