Bangabandhu Sheikh Mujibur Rahman Science & Technology University
Department of Computer Science & Engineering

Course Title: **Structured Programming Language Lab**
Course Code: **CSE104**

LAB-8: File Management

1. Write a program to copy the contents of one file into another.
2. Write a program that reads a file containing some integers and appends sum of the integers at its end.
3. Define a structure *student* that would contain student's **name**, **score**, and **grade**. Using this structure write a program to read some students' name and score from the file input.txt. Score would be maximum 100. Compute letter grade based on the scale below and save name, score and grade of the students in output.txt file. If the output.txt file previously exits, add the information to the file.

Score	Grade
80 to 100	A
70 to 79	B
60 to 69	C
50 to 59	D
40 to 49	E
Bellow 40	F

4. Write a program that reads a list of words from a file, check if each of the words is palindrome or not, store the output in the same file beside each word as showed below.

Sample Input	Sample Output	
noon	noon	palindrome
radar	radar	Not palindrome
DAD	DAD	Palindrome

5. Consider a file input.txt where the first line of it contains an integer *n* and the following lines contain a list of n real numbers. Write a program to read those *n* real numbers and find the maximum and minimum of those numbers and store the output into another file.

Sample Input	Sample Output
3	502.34
125.30	-1424.10
502.34	
-1424.10	

6. Write a program that uses *fscanf* function to read some integer values from the keyboard until -1 (skip -1 as input), compute the square of each integer and places the resultant values in output.txt file.
7. Write a program that reads integers from two different files, merge those integers, sort them and store the sorted list of numbers to a third file.
8. Write a program to read the last *n* characters of the file using appropriate file functions and then read the first *n* characters of the file. The value *n* will be taken from the user.

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