

Dhaka University of Engineering & Technology, Gazipur
Computer Science and Engineering Department
CSE 1122 (Structured Programming Language Sessional)

These Programs illustrates on using *file stream in C*

- 1) Write a program to create a file named "test.txt" to store information (string by character). After program execution, you need to check HDD to ensure whether the file is created successfully.
- 2) A. Suppose you have a file named "number.txt" in your HDD which contains a series of integer numbers. You need to write a program to read these numbers and then print on screen.

B. A file named "Number.txt" contains some integer values. Write a program to open the file and read the numbers one after another. If a number is Odd write it to a file, named "odd.txt", otherwise write it to another file, named "even.txt".
- 3) A file named "text.txt" contains some sentences. Write a program to open the file and read the characters one after another and output the frequency of vowels and consonants.

Sample I/O: Suppose, the content of the file "text.txt" is as follow:

We love Bangladesh. This is our homeland.

Then the output would be: No. of Vowels: 13

No. of Consonants:20

- 4) Write a program to read in a text file "sentence.txt" which contains some sentences (each sentence is terminated by '.', '?' or '!') and output another text file "copy.txt" that has the contents of the first text file with sentence numbers.

Sample I/O: Suppose, the contents of the file "sentence.txt" is as follows:

My Name is X. I am a student. I read in DUET,Gazipur.

Do You Know me?

Then, the content of the "copy.txt" file would be:

1 My Name is X.

2 I am a student.

3 I read in DUET, Gazipur.

4 Do You Know me?

- 5) A file named **beforesort.txt** contains a series of integer number. Write a program to read these numbers and after sorting these numbers in ascending order, save in a new file named **aftersort.txt**.
- 6) Define a structure called **person** which contain person name, date of joining and salary. Using **person**, write a program to read information of a person from keyboard and save in a file called **person.txt**.