
Data Structures

BS-DS Fall 2022

Lab - 01

Lab Objectives

Templates

File Handling

Lab Tasks

Task 01

Write a function in c++ to read the data from the following files

1. Numbers.txt
2. Strings.txt

```
void read_number_file(string filename, int number)
```

```
void read_string_file(string filename, string text)
```

Task 02

(Continuation of task 01)

- Read the same files as in Task 1 but this time using Templates
- Create a single template for reading both the files and

```
void read(string filename, T text)
```

Task 03

(Continuation of task 02)

- Write a c++ program to do the following on the data you read from "Numbers.txt"
 1. Find the largest number present in the file and display it.
 2. Display the Sum of all the integers.
- Write a c++ program to do the following on the data you read from "Strings.txt"
 1. Find the longest word present in the file