



**Department of Computer Science & Engineering**

**Problem Solving with C Laboratory-UE19CS152**

### **Week-15**

**Objective: Students will learn**

- i) insertion sorting technique, usage of array of pointers and also using multiple files.**
- ii) Working with file and different functions used to perform the file operations.**

**1) Write a program to sort positive integers in the ascending order using multiple files.**

**Input:**

Enter the number of elements u want to sort

5

Enter 5 elements

29

45

67

10

30

**Output:**

Before sorting

29

45

67

10

30

After sorting

10

29

30

45

67

## **2) Write a C program to merge contents of two files into a third file.**

**Hint:** Create three files- 2 files(file1.txt and file2.txt) with contents and third file(file3.txt) to merge contents of other two files(file1.txt and file2.txt).

### **Input:**

**gedit file1.txt**

Hi,Good morning!

Have a nice day

**gedit file2.txt**

Welcome to C programming- file handling concepts

**gedit file3.txt**

//empty file

Enter the 1st file name : file1.txt

Enter the 2nd file name : file2.txt

Enter the new file name to merge the two files:file3.txt

### **Output:**

The two files merged into file3.txt file successfully..!!

//Third file-Merged contents of two files(file1.txt and file2.txt)

**gedit file3.txt**

Hi,Good morning!

Have a nice day

Welcome to C programming- file handling concepts

**3)Write a C program to write multiple lines in a text file.**

**Input:**

enter the filename

file.txt

Enter the number of lines to be written : 2

The lines are

hi hello

how are you

**Output:**

The content of the file file.txt is :

hi hello

how are you

**Practice programs:**

1. Write a C program to replace a specific line in a text file.

2. Write a C program to compare the contents of two files.