**Velammal College of Engineering and Technology, Madurai**

**An Autonomous Institution**

**Department of Computer Science and Engineering**

**21CS205 Object oriented programming lab**

**Exercise** 9

**File I/O Handling**

Team 1

1. Write a Java program ‘LineCounts.java’ that will count the number of lines in each files that is specified on the command line. Note that multiple files can be specified, as in **"javaLineCounts file1.txt file2.txt file3.txt".**
2. Perform the following operations by using the Java program for file handling process. Get the file name from the user. Display the information about the file with various properties like Availability of the file, Readable or Writable or both, type of the file and length of the file in bytes.
3. Write a java program using Character Stream and byte Stream for binary files.

Team 2

1. Write a Java program to read from an input file and convert the words to lower case and write it in another file.
2. Write a Java program that reads a file name from the user, displays information about whether the file exists, whether the file is readable, or writable, the type of file and the length of the file in bytes.
3. Write a java program using Character Stream and byte Stream for binary files

Team 3

1. Write a Java program that reads a file and displays the file on the screen, with a line number before each line.
2. Perform the following operations by using the Java program for file handling process. Get the file name from the user. Display the information about the file with various properties like Availability of the file, Readable or Writable or both, type of the file and length of the file in bytes
3. Write a java program using Character Stream and byte Stream for binary files

Team 4

1. Write a Java program that displays the number of characters, lines and words in a text file
2. Write a Java program that reads a file name from the user, displays information about whether the file exists, whether the file is readable, or writable, the type of file and the length of the file in bytes
3. Write a java program using Character Stream and byte Stream for binary files

Team 5

1. Write a program that copies the content of one file to another by removing unnecessary space between words
2. Perform the following operations by using the Java program for file handling process. Get the file name from the user. Display the information about the file with various properties like Availability of the file, Readable or Writable or both, type of the file and length of the file in bytes
3. Write a java program using Character Stream and byte Stream for binary files

Team 6

1. Create an IN file in Java to store the details of 10 students using a STUDENT class. Read the details from IN file, convert all the letters in IN file to lowercase letters and write it in to OUT file.
2. Write a Java program that reads a file name from the user, displays information about whether the file exists, whether the file is readable, or writable, the type of file and the length of the file in bytes
3. Write a java program using Character Stream and byte Stream for binary files

Team 7

1. Write a java program to count the number of three letter words in the file
2. Perform the following operations by using the Java program for file handling process. Get the file name from the user. Display the information about the file with various properties like Availability of the file, Readable or Writable or both, type of the file and length of the file in bytes
3. Write a java program using Character Stream and byte Stream for binary files

Team 8

1. Create a faculty class with following members code, name, dept and position. Store n no of faculty object to file using ObjectOutputStream. Write a search method to display faculty information when code is given as input.
2. Write a Java program that reads a file name from the user, displays information about whether the file exists, whether the file is readable, or writable, the type of file and the length of the file in bytes
3. Write a java program using Character Stream and byte Stream for binary files