CSE18R272-LAB MANUAL

KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION

COMPUTER SCIENCE AND EDUCATION

Date : 14-10-2020

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Course Name : Java Programming

Course Code : CSE18R272

Section : A5

EXERCISE 7:

1. Write a Java program that reads a file and displays the file on the screen, with a

line number before each line.

**SOURCE CODE:**

import java.io.\*;

public class Main{

public static void main(String[] args) throws IOException{

FileWriter fw=new FileWriter("Test.txt");

String str;

for(int i=0; i<args.length; i++)

fw.write(args[i]+"\n");

fw.close();

int cc=0, lc=0, wc=1, allc=0;

FileReader fr = new FileReader ("Test.txt");

int ch;

while((ch=fr.read()) != -1)

{

if (Character.isLetter((char)ch))

cc++;

else

if ( (char)ch== '\n')

lc++;

else

if((char)ch == ' ')

wc++;

allc++;

}

fr.close();

System.out.println("Character Count " + cc + " lines : " + lc + "words = "+wc + "Total Count " +allc);

}

}

2. Write a Java program that displays the number of characters, lines and words in a

text file.

SOURCE CODE:

import java.io.\*;

public class MyClass {

public static void main(String args[]) throws IOException{

FileWriter fw = new FileWriter("Test.txt");

String str;

for(int i=0; i<args.length; i++)

fw.write(args[i]+"\n");

fw.close();

int cc=0, lc=0, wc=1, allc=0;

FileReader fr = new FileReader("Test.txt");

int ch;

while((ch=fr.read()) !=-1)

{

if (Character .isLetter ((char)ch))

cc++;

else

if ( (char)ch == '\n' )

lc++;

else

if ((char)ch == ' ')

wc++;

allc++;

}

fr.close();

System.out.println("Character Count " + cc + " lines : " + lc + "words = " +wc+ " Total Count "+allc);

}

}

3. Convert the content of a given file into the uppercase content of the same file.

SOURCE CODE:

import java.io.\*;

public class MyClass {

public static void main(String args[]) throws IOException{

FileWriter fw = new FileWriter("Text.txt");

String str;

for(int i=0; i<args.length; i++)

fw.write(args[i]. toUpperCase ()+"\n");

int lno=1;

fw.close();

FileReader fr = new FileReader("Text.txt");

int ch;

System.out.println(lno + " : ");

while((ch=fr.read()) !=-1)

{

if((char)ch == '\n')

{

System.out.print((char)ch);

System.out.print(++lno+ " : " );

}

else

System.out.print((char)ch);

}

}

}