1. Java Program to Count No of Lines, Blank Lines, Comments, word, characters in a file.

**public** **class** file\_upperCase {

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

FileReader fr=**new** FileReader("E:\\shiva\\abcdef.txt");

BufferedReader br=**new** BufferedReader(fr);

**int** lineCount=0;

**int** wordCount=0;

**int** emptyLine=0;

**int** charCount=0;

String line=br.readLine();

**while**(line!=**null**) {

lineCount++;

**if**(line.isEmpty()) {

emptyLine++;

}

String[] words=line.split(" ");

wordCount=wordCount+words.length;

**for**(String s:words) {

charCount=charCount+s.length();

}

line=br.readLine();

}

System.***out***.println("No. of lines are "+lineCount);

System.***out***.println("No. of Words are "+wordCount);

System.***out***.println("No. of characters are "+charCount);

System.***out***.println("No. of empty lines are "+emptyLine);

}

}

2. Program to create, setReadOnly, if exists, & to rename the file.

**public** **class** File\_Handling {

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

File fr=**new** File("E:\\shiva\\abcdef.txt");

fr.createNewFile(); //to create a new file.

fr.setReadOnly(); //to set read only, returns boolean value.

fr.exists(); // if file exists or not.

fr.renameTo("destination file"); //to rename the file.

}

}

3.Program to copy content of one file to another.

**public** **class** copy\_file\_content {

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

FileReader fr=**new** FileReader("E:\\shiva\\abcdef.txt");

BufferedReader br=**new** BufferedReader(fr);

FileWriter fw=**new** FileWriter("E:\\shiva\\copy.txt");

String line=br.readLine();

**while**(line!=**null**) {

fw.write(line);

fw.flush();

}

br.close();

fw.close();

}

}

4.Program to find the number of vowels in a file.

**public** **class** vowels\_file {

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

FileReader fr=**new** FileReader("E:\\shiva\\abcdef.txt");

BufferedReader br=**new** BufferedReader(fr);

**int** vowelCount=0;

String line=br.readLine();

**while**(line!=**null**) {

String[] words=line.split(" ");

**for**(**int** i=0;i<words.length;i++) {

**for**(**int** j=0;j<words[i].length();j++)

{

**char** ch=words[i].charAt(j);

**if**(ch == 'a' || ch == 'e' || ch == 'i' ||ch == 'o' || ch == 'u'){

vowelCount++;

}

}

}

System.***out***.println("total no. of vowels in the file "+vowelCount);

}

}

}