

CSE18R272-LAB MANUAL

KALASALINGAM ACADEMY OF RESEARCH AND
EDUCATION

COMPUTER SCIENCE AND EDUCATION

Date : 14-10-2020
Name : Gorantla Venkatesh
Regno : 9919004093
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");  
  
        // BufferedReader br = new BufferedReader(new InputStream)  
        String str;  
        For (int i=0;i<args.length;i++)
```



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

```
Int lno = 1;
```

```
Fw.close();
```

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

```
Int ch;
```

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

```
While((ch=fr.read()) !=-1)
```

```
{
```

```
    If(ch == '\\n')
```

```
    {
```

```
        System.out.println((char)ch);
```

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

```
    }
```

```
    Else
```

```
        System.out.println((char)ch);
```

```
    }
```

```
}
```

```
}
```

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);
```

```
}
```

```
}
```

```
}
```

