

CSE18R272-LAB MANUAL

KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION

COMPUTER SCIENCE AND EDUCATION

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Section: A5

Course name: java programming

Course Code: CSE18R272

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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);  
}  
}
```