

CSE3011 NETWORK PROGRAMMING

LAB EXPERIMENT 6

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LAB SLOT – L43+L44

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Experiment

- 1) Source Viewer
- 2) Read And write to files using Streams

Code:

SrcViewer.java

```
package lab6;
import java.net.*;
import java.io.*;
import java.util.*;
public class SrcViewer {

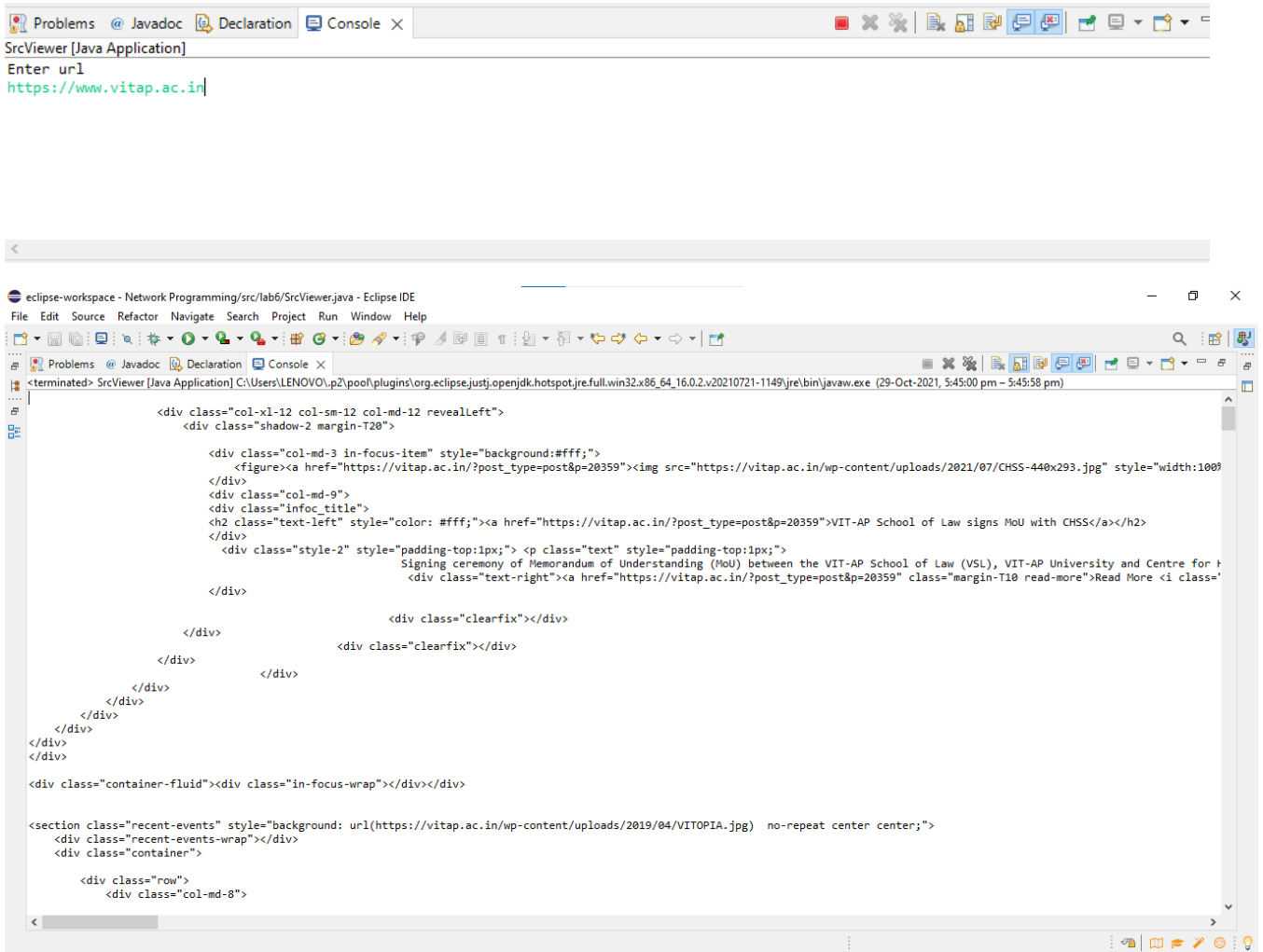
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.out.println("Enter url");
        Scanner sin=new Scanner(System.in);
        String url=sin.next();
        if(url.length()>0)
        {
            InputStream in=null;
            try
            {
                URL u =new URL(url);
                in=u.openStream();
                in=new BufferedInputStream(in);
```

```

        InputStreamReader r = new
InputStreamReader(in);
        int a;
        while((a= r.read()) != -1)
        {
            System.out.print((char) a);
        }
    }
    catch(MalformedURLException e)
    {
        System.err.println(url + " is not a parseable
URL");
    }
    catch(IOException e)
    {
        System.err.println(e);
    }
    finally
    {
        if(in!=null)
        {
            try
            {
                in.close();
            }
            catch(IOException e)
            {
            }
        }
    }
}
sin.close();
}
}

```

Output:



Code:

ReadWriteFile.java

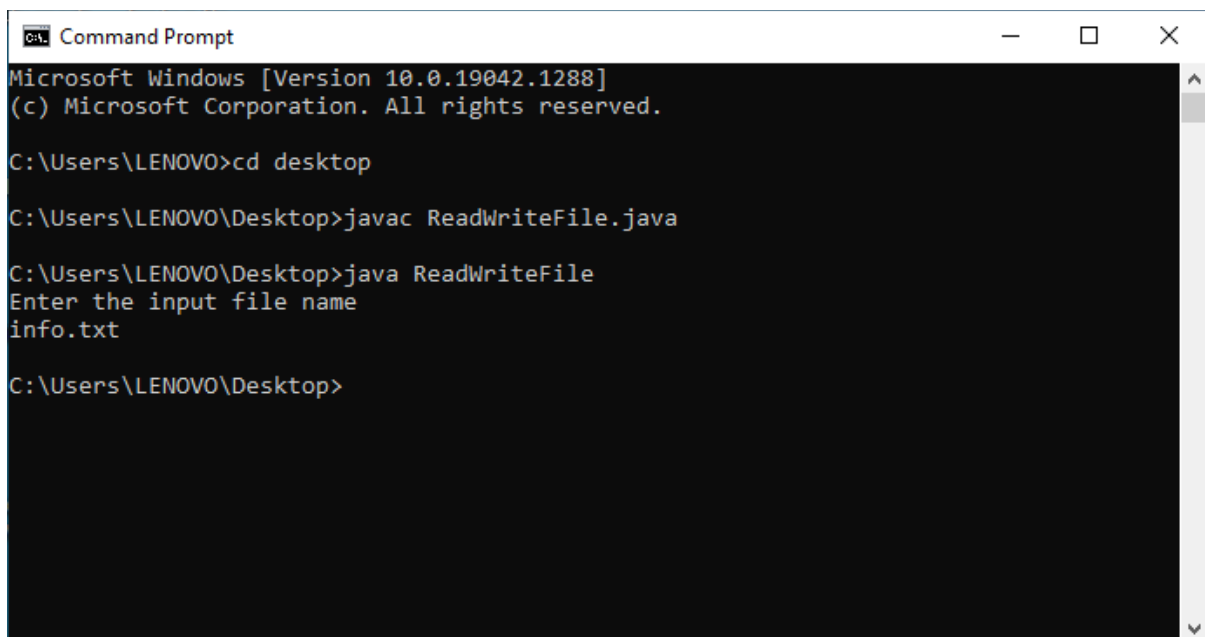
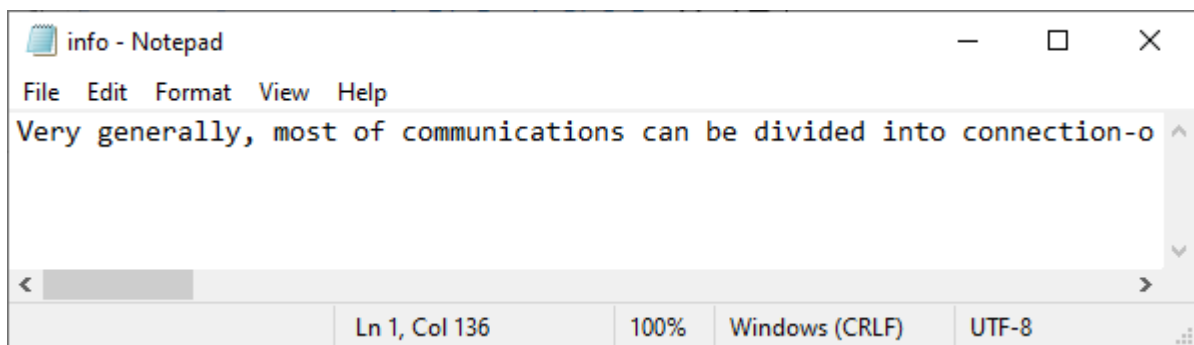
```
package lab6;
import java.io.*;
import java.util.*;
public class ReadWriteFile {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        try
        {
            System.out.println("Enter the input file name");
            Scanner sin=new Scanner(System.in);
            String infile=sin.next();
            File input =new File(infile);
            //Output file out.txt if existing will be
            updated or a new out.txt file will be created and info.txt
            will be copied it
            File output =new File("out.txt");
            //FileInputStream to read the input stream from
            input file created
            FileInputStream fin=new FileInputStream(input);
            //FileOutputStream to write data to out.txt
            created
            FileOutputStream fos=new FileOutputStream(output);
            int a;
            //reads input until the stream is empty and then
            writes it to the output stream
            while((a=fin.read())!= -1)
            {
                fos.write(a);
            }
            //Flushing the input and output file streams to
            avoid data leakage
            fin.close();
            fos.close();
        }
        catch (FileNotFoundException e)
        {
            System.err.println("File Not Found Exception: "
            + e);
        }
    }
}
```

```
    } catch (IOException e)
    {
        System.err.println("IOException: " + e);
    }
}
```

Output:

Info.txt



Out.txt

