9. Using TCP/IP sockets, write a client – server program to make the client send the file name and to make the server send back the contents of the requested file if present.

Client.java

```
import java.io.*;
import java.net.*;

public class Client
 {
public static void main(String[] args) throws Exception
 {
     Socket sock = new Socket("127.0.0.1",4000);
     System.out.println("Enter the file name");
     BufferedReader keyRead = new BufferedReader(new InputStreamReader
                              (System.in));
     String fname = keyRead.readLine();
     OutputStream ostream = sock.getOutputStream();
     PrintWriter pwrite = new PrintWriter(ostream,true);
     pwrite.println(fname);
     InputStream istream = sock.getInputStream();
     BufferedReader socketRead = new BufferedReader
                              (newInputStreamReader (istream));
     String str;
     while((str=socketRead.readLine())!=null)
     {
             System.out.println(str);
     }
     pwrite.close();
     socketRead.close();
     keyRead.close();
     }
  }
```

Cserver.java

```
import java.net.*;
import java.io.*;
public class Cserver
{
public static void main(String args[]) throws Exception
{
     ServerSocket sersock = new ServerSocket(4000);
     System.out.println("Server ready for connection ");
     Socket sock = sersock.accept();
     System.out.println("Connection is successful and waiting for
                        chatting");
     InputStream istream = sock.getInputStream();
```

```java
        BufferedReader fileRead = new BufferedReader (new
                                    InputStreamReader(istream));
        String fname = fileRead.readLine();
      OutputStream ostream = sock.getOutputStream();
       PrintWriter pwrite = new PrintWriter (ostream,true);
       try(BufferedReader contentRead = new BufferedReader (new
                                    FileReader(fname)))
        {

                String str;
                while((str=contentRead.readLine())!=null)
                {
                        pwrite.println(str);
                }
        }
        catch(FileNotFoundException e)
        {
                //System.out.println("File not found");
                pwrite.println("File not found");
        }

                sock.close();
                sersock.close();
                pwrite.close();
                fileRead.close();
                //contentRead.close();

        }
}
```