Code & Sample I/O

Server Class

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

public class Server{
public static void main(String []args) throws Throwable
{ ServerSocket server = new ServerSocket(3000);
    //Here ServerSocket is the class used to create 3000 as server
  Socket soc = server.accept();
  BufferedReader buffer =new BufferedReader(new InputStreamReader(soc.getInputStream()));
  PrintStream ps = new PrintStream(soc.getOutputStream());
  BufferedReader s =new BufferedReader(new InputStreamReader(System.in));
  String input="", output="";
  System.out.println("Server ready!!");
  while(!input.equals("bye")){
     input=buffer.readLine();
     System.out.println("Client's message: "+input);
     System.out.println("Server's message: ");
     output=s.readLine();
     ps.println(output);
  }
  ps.close();
  buffer.close();
  soc.close();
  server.close();
 }
}
```

Client Class

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

public class Client{
public static void main(String []args) throws Throwable
{ Socket soc = new Socket("localhost",3000);
  BufferedReader buffer =new BufferedReader(new InputStreamReader(soc.getInputStream()));
  PrintStream ps = new PrintStream(soc.getOutputStream());
  BufferedReader s =new BufferedReader(new InputStreamReader(System.in));
  String input="", output="";
  System.out.println("Client activated!!");
  System.out.println("Enter message. Give 'bye'to quit");
  while(!output.equals("bye")){
```

```
        System.out.println("Client's message: ");
        output = s.readLine();
        ps.println(output);
        input=buffer.readLine();
        System.out.println("Server's message: "+input);
    if(output.equals("!retrieve")){
        File file = new File("hospitals.txt");
        BufferedReader br = new BufferedReader(new FileReader(file));
        String st;
        while ((st = br.readLine()) != null)
            System.out.println(st);
    }
    }

  ps.close();
  buffer.close();
  soc.close();
  }
 }
```

```
PS C:\Users\withl\OneDrive\Desktop\College\COVID-Resource-Management-System> java Server
 Server ready!!
 Client's message: !retrieve
 Server's message:
 !retrieve
 Client's message: bye
 Server's message:
 bye
```

```
C:\Users\withl\OneDrive\Desktop\College\COVID-Resource-Management-System>java Client
Client activated!!
Enter message. Give 'bye'to quit
Client's message:
!retrieve
Server's message: !retrieve
Apollo Hospital|15|150|50|500|1234567890|1, abc Street, def Colony, Madurai|100
Client's message:
bye
Server's message: bye
```