Exp No: 4   **JAVA SOCKET PROGRAMMING**

Date:

<u>**AIM**</u>

<u>**ALGORITHM**</u>

CODE

Server/Main.java

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

public class Main {

    public static void main(String[] args) {

        try {
            ServerSocket ss = new ServerSocket(6666);
            Socket s = ss.accept();

            DataInputStream inputStream = new DataInputStream(s.getInputStream());

            String msg = (String) inputStream.readUTF();

            System.out.println("Message From Client: " + msg);

            ss.close();
        } catch(Exception e) {
            System.out.println("Error: " + e);
        }

    }

}
```

Client/Main.java

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

public class Main {

    public static void main(String[] args) {

        try {
            String msg;
            Scanner scanner = new Scanner(System.in);

            Socket s = new Socket("localhost", 6666);
            DataOutputStream outputStream = new DataOutputStream(s.getOutputStream());

            System.out.print("Enter Message: ");
            msg = scanner.nextLine();

            outputStream.writeUTF(msg);
            outputStream.flush();
            outputStream.close();
```

```
      } catch(Exception e) {
         System.out.println("Error: " + e);
      }

   }

}
```

OUTPUT

Client:
```
                                    \Computer-Networks\4\client>java Main
Enter Message: Hello, wassup
```

Server:
```
                                    \Computer-Networks\4\server>java Main
Message From Client: Hello, wassup
```

RESULT