PRACTICAL-2

AIM: Implement TCP Server for transferring files using Socket and ServerSocket.

PROGRAM:

- Server:

```
import java.io.*;
import java.net.*;
class server_soc
{
    public static void main(String[] args) throws Exception
    {
        ServerSocket ss=new ServerSocket(7777);
        Socket s=ss.accept();
        System.out.println("Connected..");
        FileInputStream fin=new FileInputStream("Send.txt");
        DataOutputStream dout=new DataOutputStream(s.getOutputStream());
        int r;
        while((r=fin.read())!=-1)
        {
            dout.write(r);
        }
        System.out.println("File Transfer Completed");
        s.close();
        ss.close();
    }
}
```

- Client:
```
import java.io.*;
import java.net.*;

public class client_soc
{
    public static void main(String[] args) throws Exception
    {
        Socket s=new Socket("127.0.0.1",7777);
        if(s.isConnected())
        {
         System.out.println("Connected to server");
        }

        FileOutputStream fout=new FileOutputStream("received.txt");
        DataInputStream din=new DataInputStream(s.getInputStream());
        int r;
        while((r=din.read())!=-1)
```

```
                    {
                        fout.write((char)r);
                    }
                    s.close();
                }
        }
```

OUTPUT: