

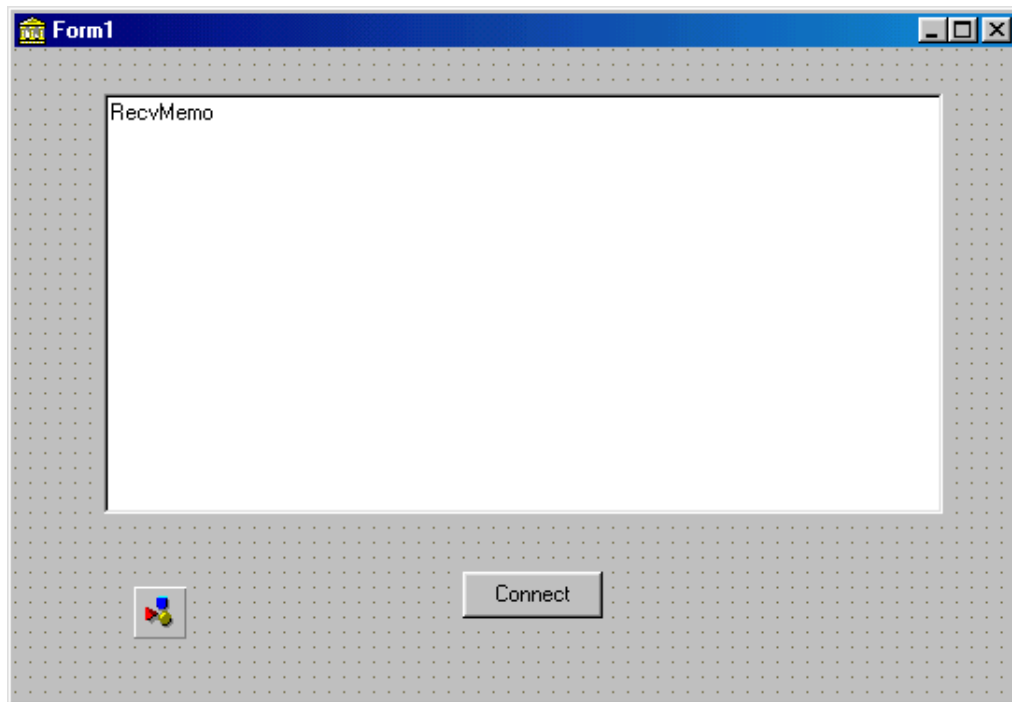
How to use TmsClientSocket component

TmsClientSocket component can be used for creating client application. It is an ancestor of all high-level client components, such as *TmsSMTPClient*, *TmsPOPClient*, *TmsHTTPClient*, *TmsNNTPClient* etc.

We will write the client application, which works with the server program, written in the chapter *How to Use TmsListenerSocket and TmsServerThread components*.

Start up Delphi, and create new application. Then, on the Form1 drop *TmsClientSocket* component, also one *TMemo*, and one *TButton* components. Name the *TMemo* as *RecvMemo*, and *TButton* - as *ConnectButton*, also, change the caption of the button to *Connect*. Then, set the port property of *TmsClientSocket* component to 1090, this is the port where our server will listen, and set the *Host* property to localhost, or 127.0.0.1, which will indicate that we will be running the server on the same computer where we are running the client.

Our form should look like this:



Then, double click the connect button and create the event handler which looks like the following:

```
procedure TForm1.ConnectButtonClick(Sender: TObject);  
var  
    TempStream: TStream;  
begin  
    TempStream:=TMemoryStream.Create;  
    try  
        msClientSocket1.Connect;  
        msClientSocket1.RecvStream(TempStream,-1);  
        TempStream.Position:=0;  
        RecvMemo.Lines.LoadFromStream(TempStream);  
        msClientSocket1.Disconnect;
```

```
finally  
    TempStream.Free;  
end;  
end;
```

In this procedure, we are creating a temporary stream, which will receive the data from the server. Since we know that the server will send the data and close the connection to indicate the end of the session, we are using RecvStream method of TmsClientSocket component. Since we don't know in advance the size of the received data, we are passing minus one as a parameter. Then after the data was received, we are loading it into the Memo component on our form.

Start up the project ls1.dpr, then, recompile this application, run it, and click Connect button. You will see the received data, in memo component.