Instructions - Do your homework on your own. Some of the problems will require additional thoughts. It is more important to have your own opinion on the problems and argue along, then copying from other’s work.

1 Packet Capturing Programming

This is a simple packet capturing programming. Using your packet capturing program for homework #5, connect to “http://an.kaist.ac.kr/courses/cs441/hw6/demo.html” page. After the web page is completely loaded close the window. Your assignment is to write down all the packets you receive from the web server from TCP connection establishment to termination.

<table>
<thead>
<tr>
<th>DstPort</th>
<th>SequenceNum</th>
<th>Acknowledgement</th>
<th>Flags</th>
<th>AdvertisedWindow</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

Choose one of below.

1.1 Capturing Incoming Packets (20pt)

You’ll get 20pt for reporting only incoming packets. In this case, you don’t need to turn in your source code.

1.2 Capturing Incoming & Outgoing Packets (40pt)

You’ll get 40pt for reporting both incoming & outgoing packets. Report your TCP sessions as in a table form above. Additionally, (only for this case) send in your source code to yskim@an.kaist.ac.kr. Do not distribute your source code on the web board.