

Telnet

Command:

```
C:\Users\10421>telnet whu.edu.cn 25_
```

Result:

```
220 whu.edu.cn Anti-spam GT for Coremail System (whu[20171226])
421 closing transmission channel

遗失对主机的连接。
```

Homework

P1:

- a: False. It depends on the type of the HTTP on the server side(Non-persistent HTTP or Persistent HTTP)
- b: True. If the server employs Persistent HTTP.
- c: False.
- d: False.
- e: False.

P3:

transmission layer: UDP, TCP

application layer: DNS, HTTP

p4:

- a: gaia.cs.umass.edu/cs453/index.html
- b: 1.1
- c: Persistent: Keep-Alive
- d: There is no IP address in the the HTTP request message.

e: Mozilla/5.0. In order to get a browser-compatible response.

P5:

a: Yes. Tue, 07, Mar 2008, 12:39:45GMT

b: Sat. 10 Dec2005 18:27:46

c: 3874

d: <!doc. The server agreed to maintain a persistent connection.

P6:

a: Both client and server can close a connection.

b: HTTP don't provide any encryption

c: No. A client can maintain at most 2 connection with a certain server.

d: Yes.

P7:

$$2 * RTT_0 + RTT_1 + \dots + RTT_n$$

P8:

a: $18 * RTT_0 + RTT_1 + \dots + RTT_n$

b: $6 * RTT_0 + RTT_1 + \dots + RTT_n$

c: $3 * RTT_0 + RTT_1 + \dots + RTT_n$