

1. 对有内容报文，转换为大写，状态为200 OK；无内容报文则为501 Not Implemented。
2. 这是一个服务端与一个客户端连续发送的多条消息。

```
C:\WINDOWS\system32\cmd.exe
The server is ready to receive
Connection from ('127.0.0.1', 10255)
Received from ('127.0.0.1', 10255):
POST / FDUnet/1.0
Date: Wed, 23 Oct 2024 15:55:50 GMT
Content-Length: 10

i love you
Received from ('127.0.0.1', 10255):
POST / FDUnet/1.0
Date: Wed, 23 Oct 2024 15:55:51 GMT
Content-Length: 0

Received from ('127.0.0.1', 10255):
POST / FDUnet/1.0
Date: Wed, 23 Oct 2024 15:55:53 GMT
Content-Length: 5

#quit
Connection with ('127.0.0.1', 10255) closed

C:\WINDOWS\system32\cmd.exe
Input lowercase sentence:i love you
From Server:
1.0 200 OK
Date: Wed, 23 Oct 2024 15:55:50 GMT

I LOVE YOU
Input lowercase sentence:
From Server:
1.0 501 Not Implemented
Date: Wed, 23 Oct 2024 15:55:51 GMT

Input lowercase sentence:#quit
Connection closed
Press Enter to exit...
```

3. 一个服务器同时与多个客户端建立连接，并发送消息。
4. 任一客户端输入 #quit 后，双方关闭连接，但服务器继续服务其他客户端。

```
C:\WINDOWS\system32\cmd.exe
The server is ready to receive
Connection from ('127.0.0.1', 10373)
Connection from ('127.0.0.1', 10374)
Connection from ('127.0.0.1', 10375)
Received from ('127.0.0.1', 10373):
POST / FDUnet/1.0
Date: Wed, 23 Oct 2024 16:02:42 GMT
Content-Length: 13

this is 10373
Received from ('127.0.0.1', 10375):
POST / FDUnet/1.0
Date: Wed, 23 Oct 2024 16:02:51 GMT
Content-Length: 10

i am 10374
Received from ('127.0.0.1', 10374):
POST / FDUnet/1.0
Date: Wed, 23 Oct 2024 16:03:38 GMT
Content-Length: 35

Well actually, I am the very 10374.
Received from ('127.0.0.1', 10375):
POST / FDUnet/1.0
Date: Wed, 23 Oct 2024 16:03:53 GMT
Content-Length: 5

#quit
Connection with ('127.0.0.1', 10375) closed
Received from ('127.0.0.1', 10374):
POST / FDUnet/1.0
Date: Wed, 23 Oct 2024 16:04:11 GMT
Content-Length: 25

so the fake one has quit.

C:\WINDOWS\system32\cmd.exe
Input lowercase sentence:this is 10373
From Server:
1.0 200 OK
Date: Wed, 23 Oct 2024 16:02:42 GMT

THIS IS 10373
Input lowercase sentence:

C:\WINDOWS\system32\cmd.exe
Input lowercase sentence:Well actually, I am the very 10374.
From Server:
1.0 200 OK
Date: Wed, 23 Oct 2024 16:03:38 GMT

WELL ACTUALLY, I AM THE VERY 10374.
Input lowercase sentence:so the fake one has quit.
From Server:
1.0 200 OK
Date: Wed, 23 Oct 2024 16:04:11 GMT

SO THE FAKE ONE HAS QUIT.
Input lowercase sentence:

C:\WINDOWS\system32\cmd.exe
Input lowercase sentence:i am 10374
From Server:
1.0 200 OK
Date: Wed, 23 Oct 2024 16:02:51 GMT

I AM 10374
Input lowercase sentence:#quit
Connection closed
Press Enter to exit...
```

5. 用Wireshark抓取一对请求和应答如下：  
(去掉了上面的Content-Length字段)



