

HTTP - Message Examples

Example 1

HTTP request to fetch **hello.htm** page from the web server running on tutorialspoint.com.

Client request

```
GET /hello.htm HTTP/1.1
User-Agent: Mozilla/4.0 (compatible; MSIE5.01; Windows NT)
Host: www.tutorialspoint.com
Accept-Language: en-us
Accept-Encoding: gzip, deflate
Connection: Keep-Alive
```

Server response

```
HTTP/1.1 200 OK
Date: Mon, 27 Jul 2009 12:28:53 GMT
Server: Apache/2.2.14 (Win32)
Last-Modified: Wed, 22 Jul 2009 19:15:56 GMT
Content-Length: 88
Content-Type: text/html
Connection: Closed
```

```
<html>
  <body>

    <h1>Hello, World!</h1>

  </body>
</html>
```

Example 2

HTTP request to fetch **t.html** page that does not exist on the web server running on tutorialspoint.com.

Client request

```
GET /t.html HTTP/1.1
User-Agent: Mozilla/4.0 (compatible; MSIE5.01; Windows NT)
Host: www.tutorialspoint.com
Accept-Language: en-us
Accept-Encoding: gzip, deflate
Connection: Keep-Alive
```

Server response

```
HTTP/1.1 404 Not Found
Date: Sun, 18 Oct 2012 10:36:20 GMT
Server: Apache/2.2.14 (Win32)
Content-Length: 230
Content-Type: text/html; charset=iso-8859-1
Connection: Closed
```

```
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html>

<head>
  <title>404 Not Found</title>
</head>

<body>
  <h1>Not Found</h1>
  <p>The requested URL /t.html was not found on this server.</p>
</body>

</html>
```

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Example 3

HTTP request to fetch **hello.htm** page from the web server running on tutorialspoint.com, but the request goes with an incorrect HTTP version:

Client request

```
GET /hello.htm HTTP1  
User-Agent: Mozilla/4.0 (compatible; MSIE5.01; Windows NT)  
Host: www.tutorialspoint.com  
Accept-Language: en-us  
Accept-Encoding: gzip, deflate  
Connection: Keep-Alive
```

Server response

```
HTTP/1.1 400 Bad Request  
Date: Sun, 18 Oct 2012 10:36:20 GMT  
Server: Apache/2.2.14 (Win32)  
Content-Length: 230  
Content-Type: text/html; charset=iso-8859-1  
Connection: Closed
```

```
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">  
<html>  
  
<head>  
  <title>400 Bad Request</title>  
</head>  
  
<body>  
  <h1>Bad Request</h1>  
  <p>Your browser sent a request that this server could not understand.<p>  
  <p>The request line contained invalid characters following the protocol string.  
</body>  
  
</html>
```

Example 4

HTTP request to post form data to **process.cgi** CGI page on a web server running on tutorialspoint.com. The server returns the passed name after setting them as cookies:

Client request

```
POST /cgi-bin/process.cgi HTTP/1.1
User-Agent: Mozilla/4.0 (compatible; MSIE5.01; Windows NT)
Host: www.tutorialspoint.com
Content-Type: text/xml; charset=utf-8
Content-Length: 60
Accept-Language: en-us
Accept-Encoding: gzip, deflate
Connection: Keep-Alive

first=Zara&last=Ali
```

Server response

```
HTTP/1.1 200 OK
Date: Mon, 27 Jul 2009 12:28:53 GMT
Server: Apache/2.2.14 (Win32)
Content-Length: 88
Set-Cookie: first=Zara,last=Ali;domain=tutorialspoint.com;Expires=Mon, 19-
Nov-2010 04:38:14 GMT;Path=/
Content-Type: text/html
Connection: Closed
```

```
<html>

<body>
  <h1>Hello Zara Ali</h1>
</body>

</html>
```