

## Laborator 10 - HTTP

Cerere	Raspuns
<pre> METODA CALE VERSIUNE\r\n Host: HOST\r\n Header1: Valoare Header1\r\n Header2: Valoare Header2\r\n ... Cookie: cheie1=valoare1; cheie2=valoare2; ...; cheieN=valoareN\r\n \r\n DATA </pre>	<pre> VERSIUNE COD_STATUS TEXT_STATUS\r\n Header1: Valoare Header1\r\n Header2: Valoare Header2\r\n ... HeaderN: Valoare HeaderN\r\n Set-Cookie: cheie1=valoare1\r\n Set-Cookie: cheie2=valoare2\r\n ... Set-Cookie: cheieN=valoareN\r\n \r\n DATA </pre>

GET /courses/pc/laboratoare/10 HTTP/1.1

Host: ocw.cs.pub.ro

Header1: valoare1

User-Agent: Safari 2.5.2125

Cookie: cheie1=valoare1

HTTP/1.1 200 OK

Header1: ...

Header2: ...

<html...>

POST /shop/order HTTP/1.1

Header1: valoare

**Content-Type: application/x-www-form-urlencoded**

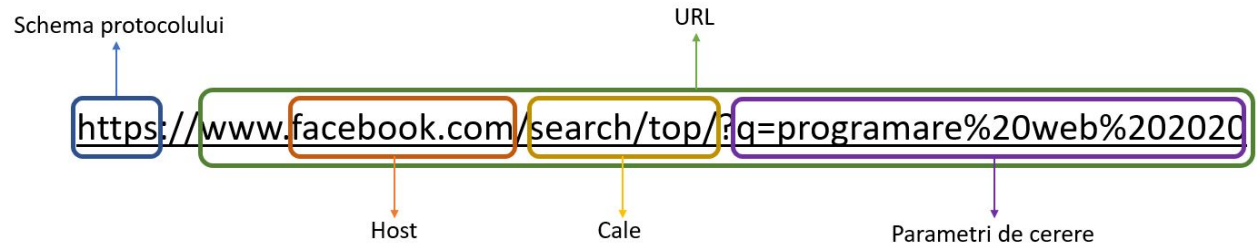
**Content-Length: 7**

a=b&c=d

Cerere		
Metode: <ul style="list-style-type: none"> <li>• GET</li> <li>• POST</li> <li>• PUT</li> <li>• DELETE</li> <li>• HEAD</li> <li>• CONNECT</li> </ul>	Headere: <ul style="list-style-type: none"> <li>• Host</li> <li>• Cookie</li> <li>• User-Agent</li> <li>• Connection</li> <li>• Content-Type</li> <li>• Content-Length</li> </ul>	Content-Type: <ul style="list-style-type: none"> <li>• text/plain</li> <li>• text/html</li> <li>• image/jpeg</li> <li>• audio/wav</li> <li>• video/ogg</li> <li>• multipart/form-data</li> </ul>

<ul style="list-style-type: none"> <li>• OPTIONS</li> <li>• TRACE</li> <li>• PATCH</li> </ul>		<ul style="list-style-type: none"> <li>• application/x-www-form-urlencoded</li> <li>• application/json</li> </ul>
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Raspuns	
Cod	Text
<b>1xx</b>	<b>Informatie</b>
100	Continue
<b>2xx</b>	<b>Succes</b>
200	OK
201	Created
<b>3xx</b>	<b>Redirectare</b>
301	Moved Permanently
302	Found
305	Use Proxy
<b>4xx</b>	<b>Erori la client</b>
400	Bad Request
403	Forbidden
404	Not Found
<b>5xx</b>	<b>Erori la server</b>
500	Internal Server Error
503	Service Unavailable



```
GET /search/top/?q=programare%20web%202020 HTTPS\r\n
Host: facebook.com\r\n
User-Agent: Mozilla/5.0\r\n
Connection: keep-alive\r\n
Cookie: c_user=XXXXXXXXXX; presence=XXXXXXX\r\n
\r\n
```

telnet www.facebook.com 80

```
sockfd = open_connection("3.8.116.10", 8080, AF_INET, SOCK_STREAM, 0);

message = compute_get_request("ec2-3-8-116-10.eu-west-2.compute.amazonaws.com",
"/api/v1/dummy", NULL, NULL, 0);
puts(message);
send_to_server(sockfd, message);
response = receive_from_server(sockfd);
puts(response);
```