HTTP in detail

Learn about how you request content from a web server using the HTTP protocol

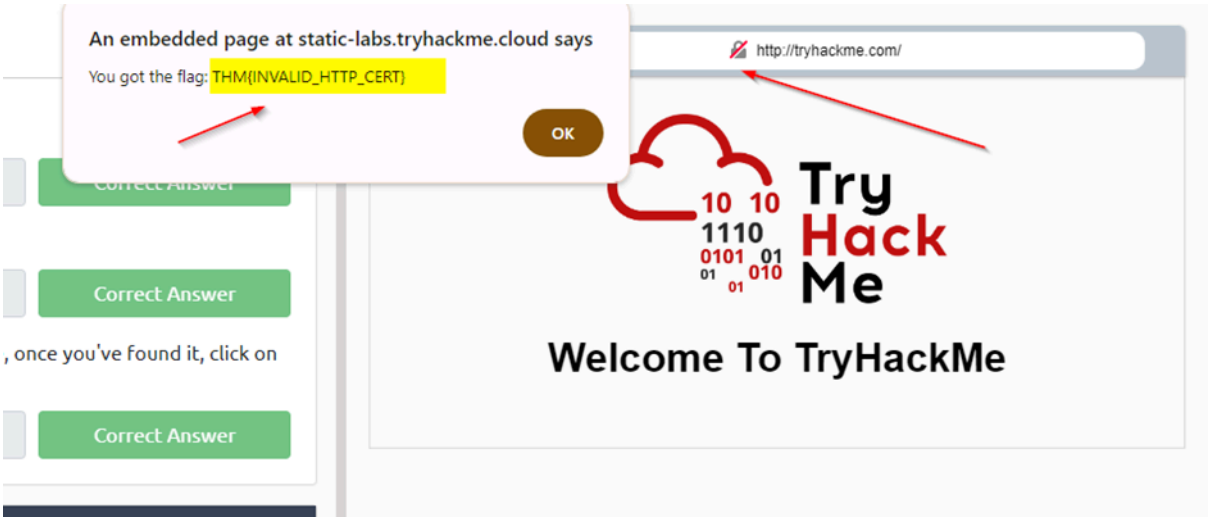
Task 1 What is HTTP(S)?

Question	Answer
What does HTTP stand for?	HyperText Transfer Protocol
What does the S in HTTPS stand for?	secure

On the mock webpage on the right there is an issue, once you've found it, click on it. What is the challenge flag?

On the mock webpage, the issue is that it does not support HTTPS. To identify it, i clicked on the lock icon next to the page's address.

Answer: THM{INVALID_HTTP_CERT}



Task 2 Requests And Responses

Question	Answer
What HTTP protocol is being used in the above example?	HTTP/1.1
What response header tells the browser how much data to expect?	Content-Length

Task 3 HTTP Methods

Question	Answer
What method would be used to create a new user account?	POST
What method would be used to update your email address?	PUT
What method would be used to remove a picture you've uploaded to your account?	DELETE
What method would be used to view a news article?	GET

Task 4 HTTP Status Codes

Question	Answer
What response code might you receive if you've created a new user or blog post article?	201
What response code might you receive if you've tried to access a page that doesn't exist?	404
What response code might you receive if the web server cannot access its database and the application crashes?	503
What response code might you receive if you try to edit your profile without logging in first?	401

Task 5 Headers

Question	Answer
What header tells the web server what browser is being used?	User-Agent
What header tells the browser what type of data is being returned?	Content-Type
What header tells the web server which website is being requested?	Host

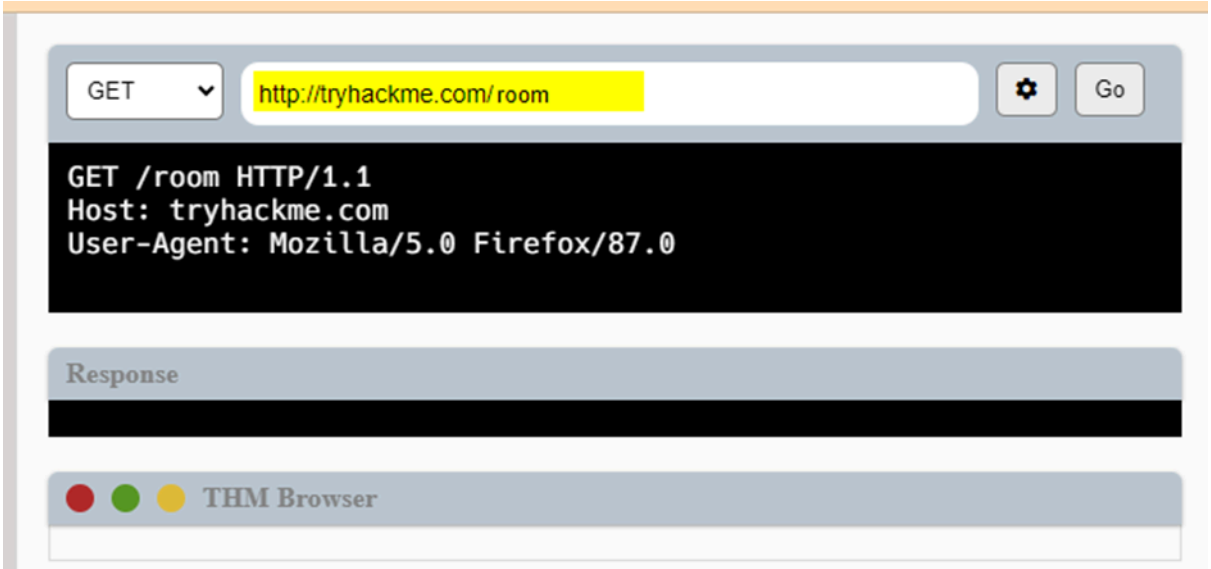
Task 6 Cookies

Question	Answer
Which header is used to save cookies to your computer?	Set-Cookie

Task 7 Making Requests

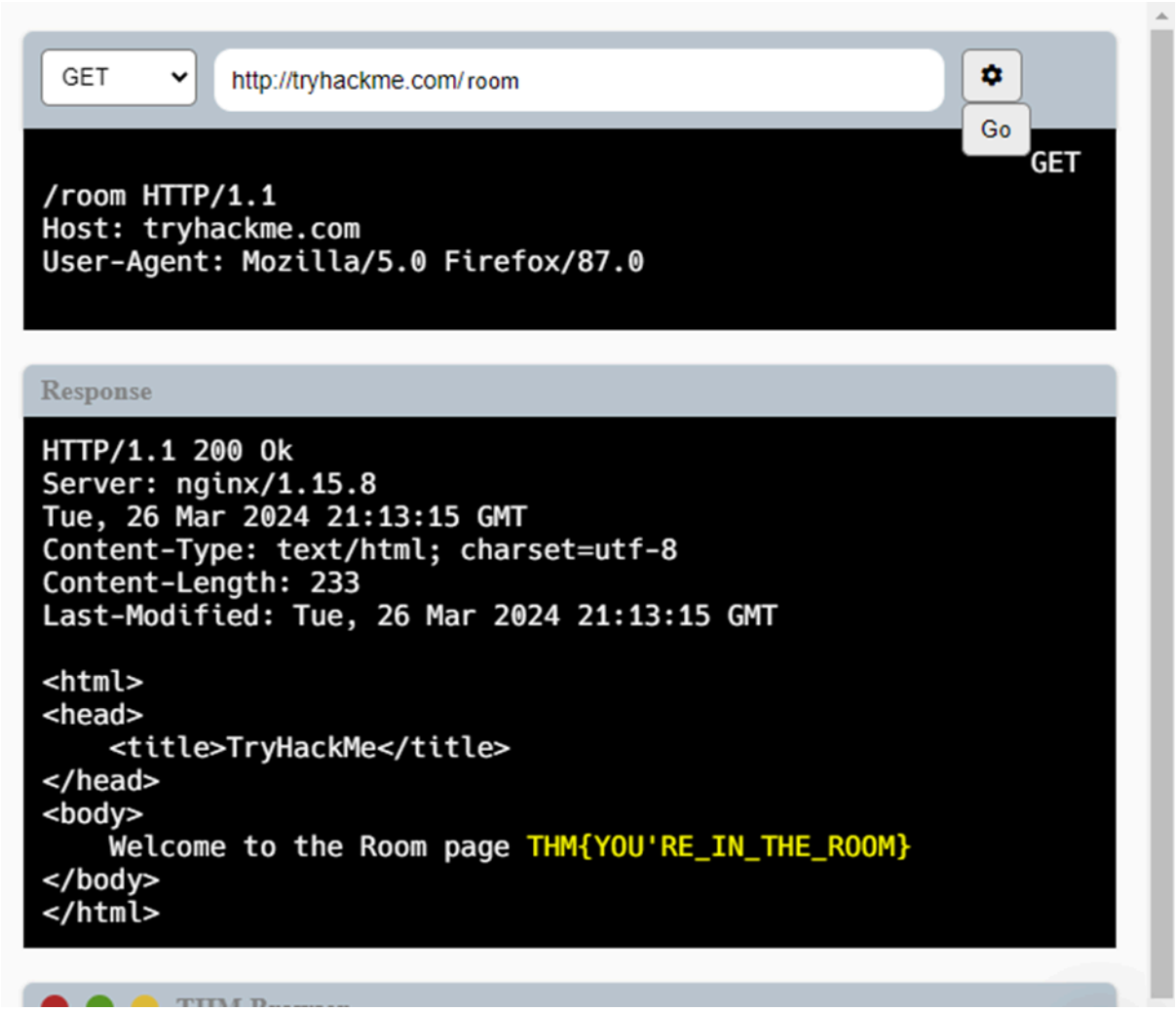
I clicked on “view site” button

To Make a GET request to /room, i added /room to the url



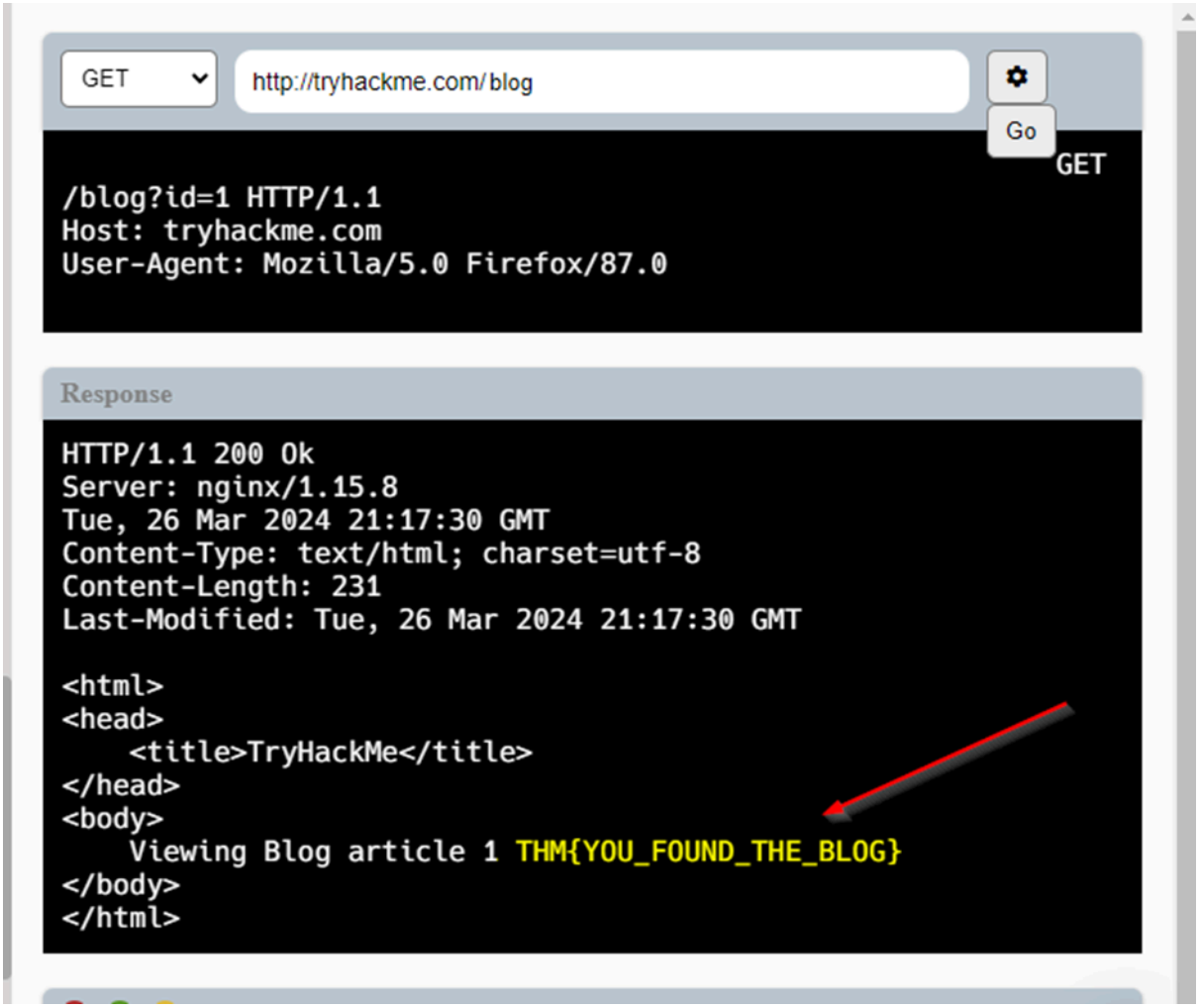
I clicked on “go” button and got the flag

Answer: THM{YOU'RE_IN_THE_ROOM}



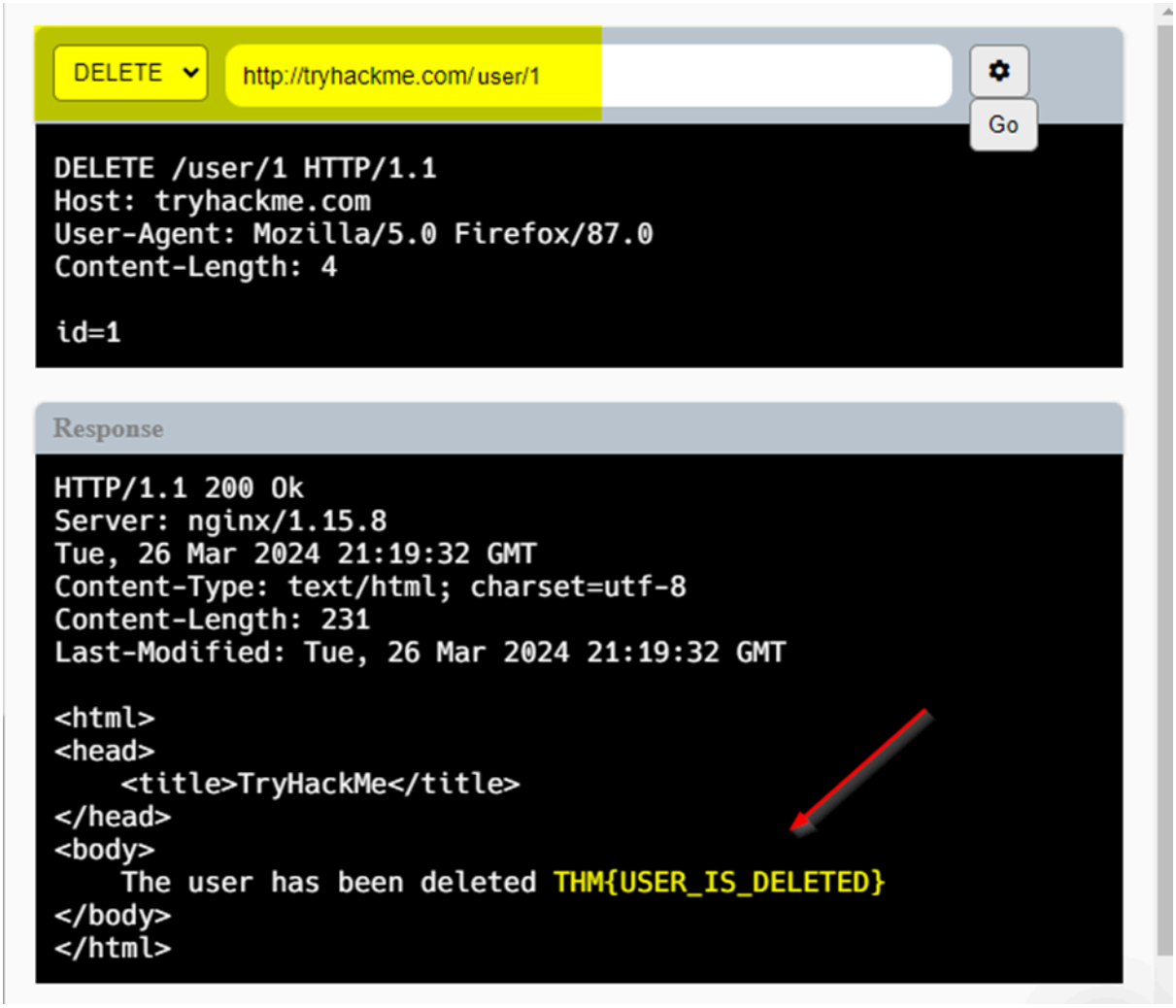
To Make a GET request to /blog and using the gear icon set the id parameter to 1 in the URL field.

Answer: **THM{YOU_FOUND_THE_BLOG}**



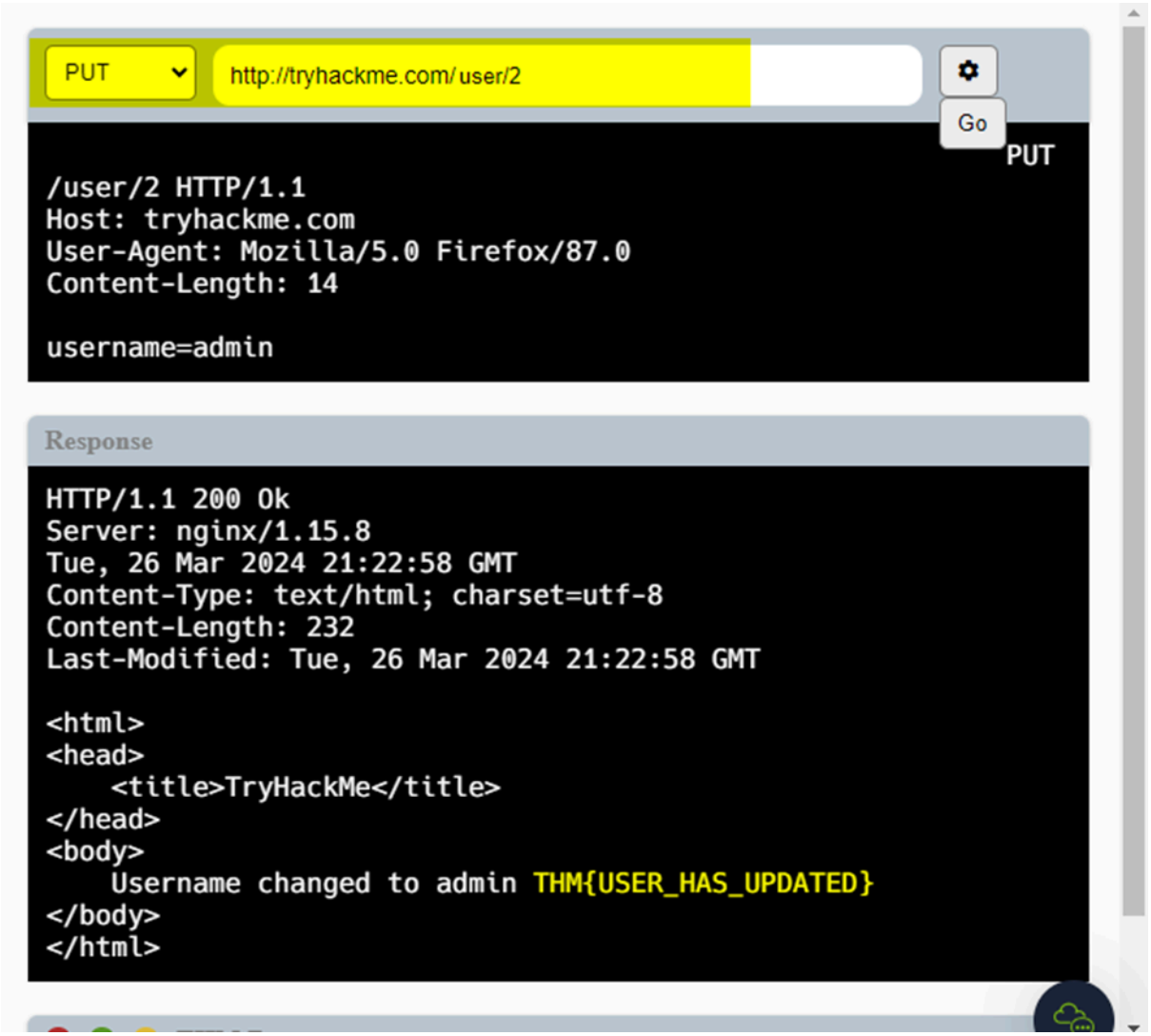
To Make a DELETE request to /user/1, i changed the request field to delete and added /user/1 to the url

Answer: **THM{USER_IS_DELETED}**



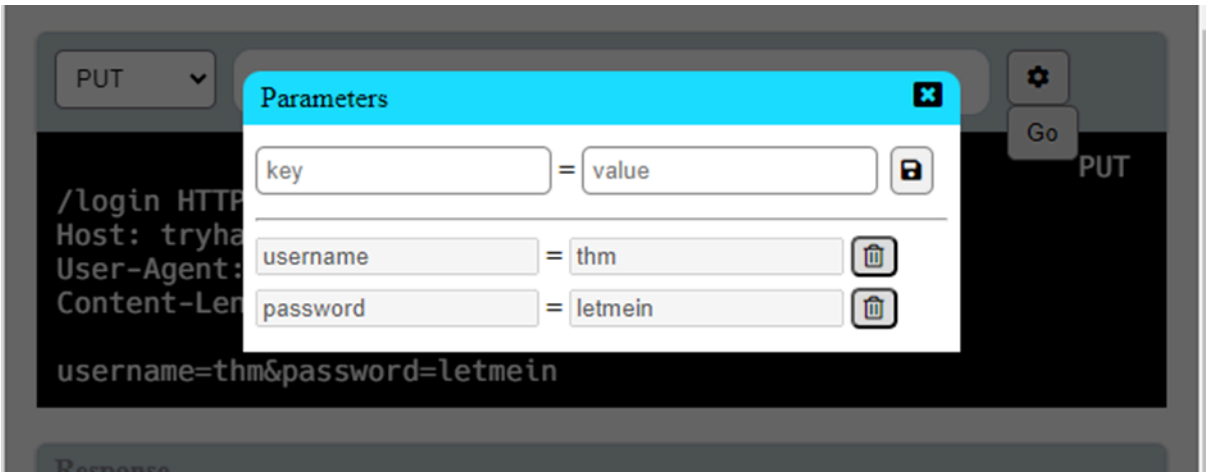
To Make a PUT request to /user/2 with the username parameter set to admin

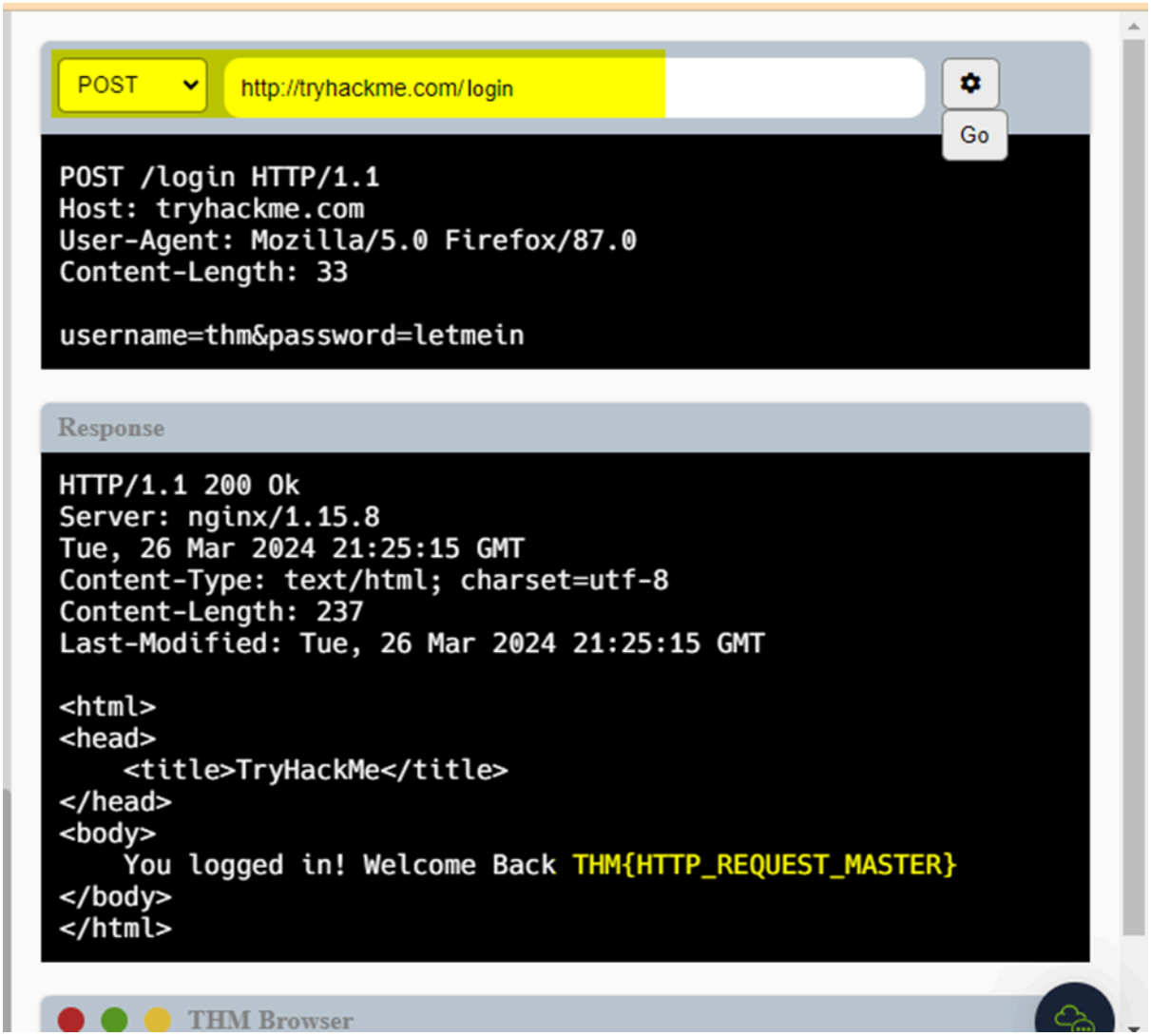
Answer: **THM{USER_HAS_UPDATED}**



To POST the username of thm and a password of letmein to /login

Answer: **THM{HTTP_REQUEST_MASTER}**




POST
http://tryhackme.com/login
Go
POST /login HTTP/1.1
Host: tryhackme.com
User-Agent: Mozilla/5.0 Firefox/87.0
Content-Length: 33
username=thm&password=letmein
Response
HTTP/1.1 200 Ok
Server: nginx/1.15.8
Tue, 26 Mar 2024 21:25:15 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 237
Last-Modified: Tue, 26 Mar 2024 21:25:15 GMT
<html>
<head>
<title>TryHackMe</title>
</head>
<body>
You logged in! Welcome Back THM{HTTP_REQUEST_MASTER}
</body>
</html>
THM Browser

END!!!