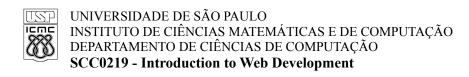


HTTP Exercises

These exercises are about understanding how to make different kinds of HTTP. To keep it simple, we're going to make a lot of our requests to the same website: httpbin.org. httpbin is a service that accepts HTTP requests and then tells you what request you made. You may use postman, insomnia, cURL, or other tools to make the requests. Using a text editor, include the screenshots for the answers to each question, showing the requests and responses headers and body (If using postman, check the *console view*). Remember that some questions also need textual answers.

- 1. Request https://httpbin.org
- 2. Request httpbin.org/anything will look at the request you made, parse it, and echo back to you what you requested.
- 3. Make a POST request to https://httpbin.org/anything
- 4. Make a GET request to https://httpbin.org/anything, but this time add some query parameters (set value=panda).
- 5. Request google's robots.txt file (www.google.com/robots.txt)
- 6. Make a GET request to https://httpbin.org/anything and set the header User-Agent: elephant.
- 7. Make a DELETE request to https://httpbin.org/anything
- 8. Removed
- 9. Make a POST request to https://httpbin.org/anything with the JSON body {"value": "panda"}. The Content-Type header must be different from application/json, some tools will fill this header automatically.
- 10. Make the same POST request as the previous exercise, but set the Content-Type header to application/json (because POST requests need to have a content type that matches their body). Look at the json field in the response to see the difference from the previous one.
- 11. Make a GET request to https://httpbin.org/anything and set the header Accept-Encoding: gzip (What happens? Why?)
- 12. Put a bunch of a JSON in a file and then make a POST request to https://httpbin.org/anything with the JSON in that file as the body
- 13. Make a PUT request to https://httpbin.org/anything
- 14. Request https://www.twitter.com. Using your tool (postman, cURL, etc), show the response headers. Is the HTML returned the same you get in a browser? Why?
- 15. Make any request to https://httpbin.org/anything and just set some nonsense headers (like panda: elephant). What happens?
- 16. Request https://httpbin.org/status/200. Where your tool (postman, cURL, etc) shows the request results?
- 17. Request https://httpbin.org/anything and set a username and password. Many tools will make it automatically: if the site you are using needs authentication, it can send this information for you. Find out how to do it in the tool you are using.



Exercises based on Julia Evans Curl exercises.