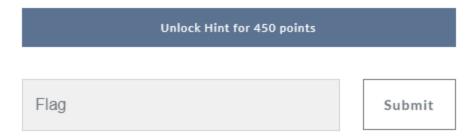
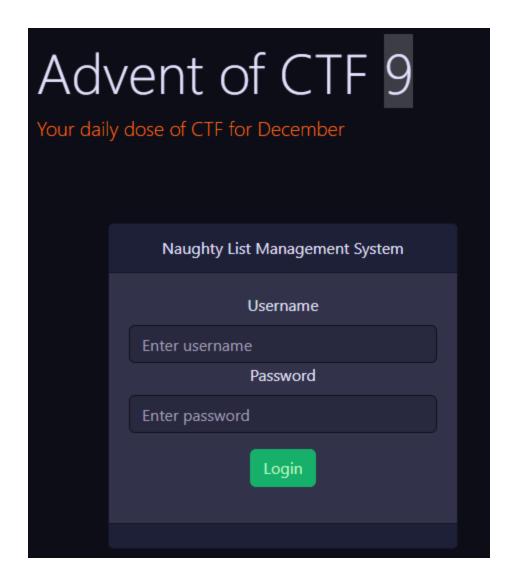
AdventOfCTF-9



Can you find a way to get into the Naughty List Management System as an admin?

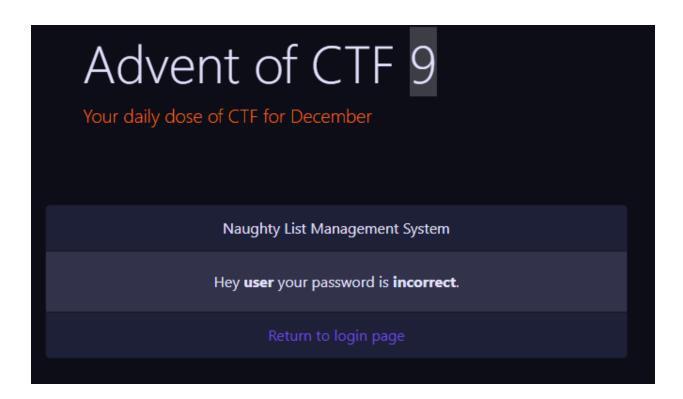
Visit https://09.adventofctf.com to start the challenge.





We are asked for credentials we don't know.

With wrong credentials we get redirected here:



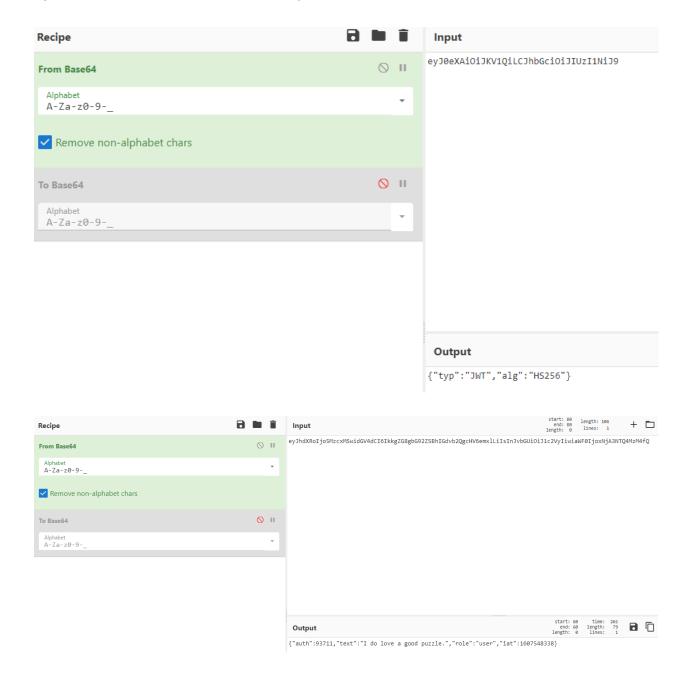
The actual username and password are user:incorrect. We can now login.

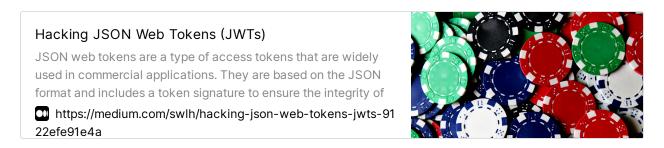


In the browser settings we see that a cookie gets set.

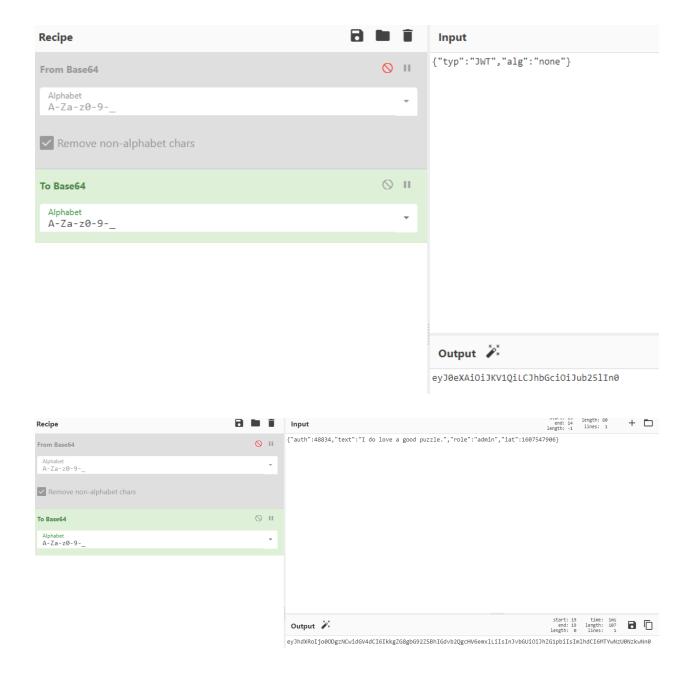
eyJ0eXAi0iJKV1QiLCJhbGci0iJIUzI1NiJ9.eyJhdXRoIjo5MzcxMSwidGV4dCI6IkkgZG8gbG92ZSBhIGdvb2QgcHV6emxlLiIsInJvbGUi0iJ1c2VyIiwiaWF0IjoxNjA3NTQ4MzM4fQ.PW6cXp-uz8Rc8b8frl3WYa46roU26iFpEXsicvL13lc

Just by looking at this string we notice that it is a jwt token. We can use cyberchef to decode the different parts of the token.





Let's craft a token with none algorithm and role set to admin.



Notice the alphabet used to encode the payload. We need to make sure that our payload has no padding (=). Let's put all the parts together.

eyJ0eXAiOiJKV1QiLCJhbGciOiJub25lIn0.eyJhdXRoIjo00DgzNCwidGV4dCI6IkkgZG8gbG92ZSBhIGdvb2QgcHV6emxlLiIsInJvbGUiOiJhZG1pbiIsImlhdCI6MTYwNzU0NzkwNn0.

Change the old token with this new one and refresh the page.



Flag: NOVI{Jw7_f@ilure_in_n0ne}

