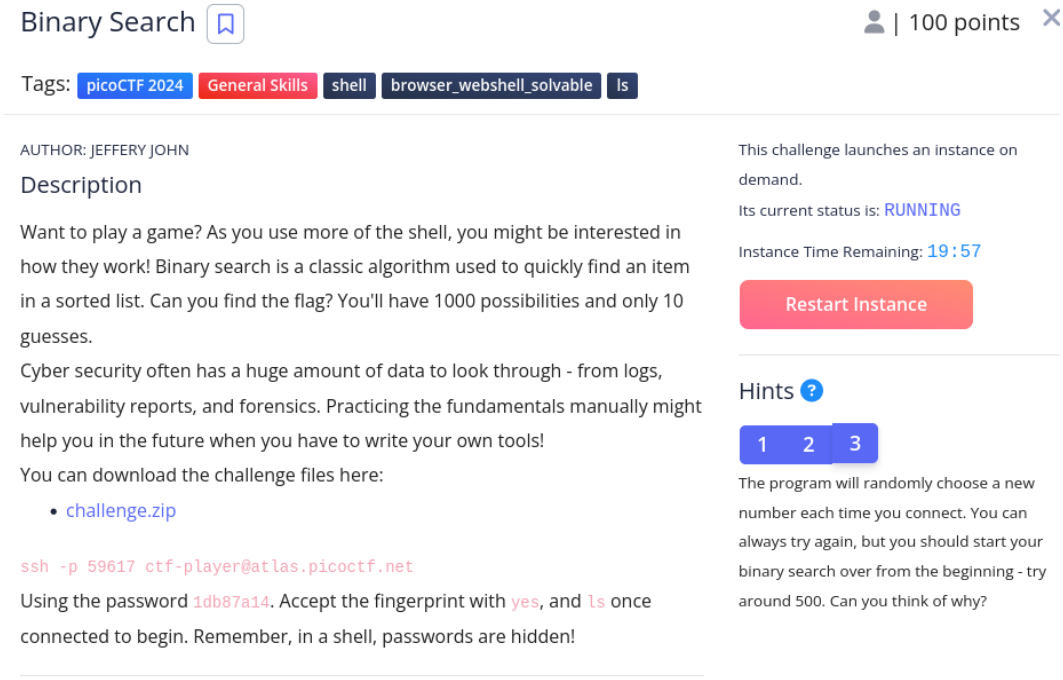
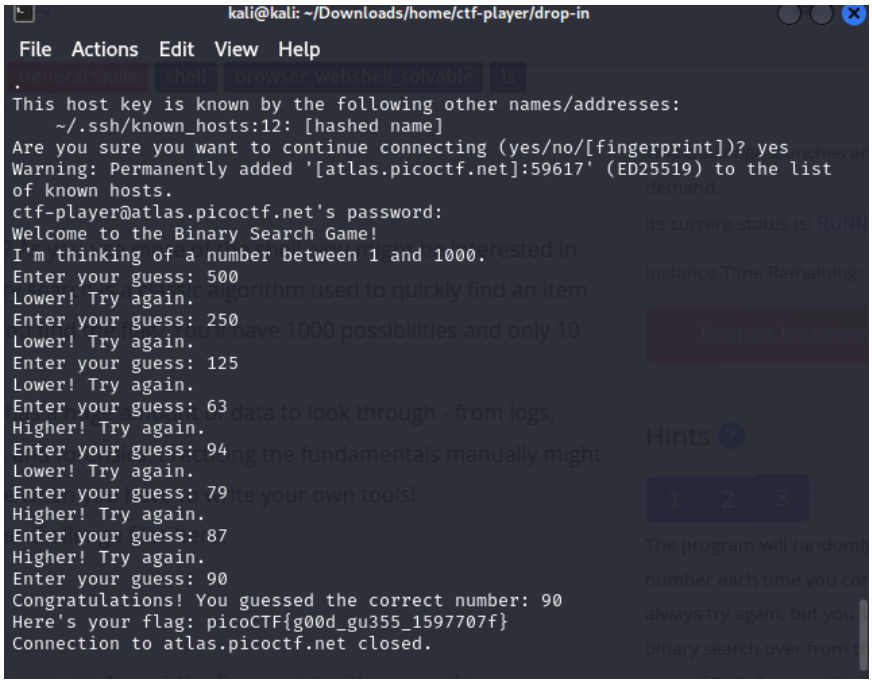
Binary Search



Binary Search Challenge

This can be done manually by performing the binary search algorithm. Of course you can try to make a python script but it needs to connect over SSH first and be able to write and read through the SSH session. But this can be done manually.



The logic for a Binary Search is always using the middle number on a sorted list of number. of course you can divide the sum by half and get the middle and remove the other half where there is no chance of the key/number being there . Do this for some time and you could narrow the number trying to be found quicker.

My case:

1000 - 0 / 2 = 500 (Lower)

500 - 0 / 2 = 250 (Lower)

250 - 0 / 2 = 125 (Lower)

125 - 0 / 2 = 63 (Higher)

(125 - 63) / 2 + 63 = 94 (Lower)

(94 - 63) / 2 + 63 = 79 (Higher)

(94 - 79) / 2 + 79 = 87 (Higher)

(94 - 87) / 2 + 87 = 90 (Correct)