

Hint 1

As explained in the problem, chatting server has a weak password which can be broken. One such technique, of breaking is known as Brute force (see Wikipedia article http://en.wikipedia.org/wiki/Brute-force_attack). Brute force method generally takes a lot of time for cracking a password. An improved version of the brute force algorithm, known as **dictionary based attacks**, can be used in situations when we need to crack in less time.

One such tool called **Brutus** is very popular in hacker culture for brute forcing attacks. Brutus provides provision for attacking a variety of interface. The web interface of the chat server is **HTTP Basic authentication** which can be easily cracked by using dictionary based attacks in Brutus.