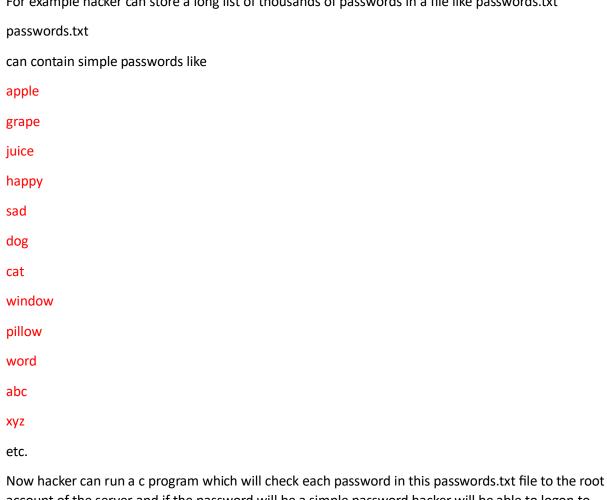# Brute Force Attack and Denial of Service Attack (DOS Attack)

Brute Force Attack is a hacking attempt in which hacker takes out the password of any account on the running server like of a root account.

Hacker continuously tries password of root account using a list of simple passwords stored in a file.

For example hacker can store a long list of thousands of passwords in a file like passwords.txt

passwords.txt

can contain simple passwords like

apple

grape

juice

happy

sad

dog

cat

window

pillow

word

abc

xyz

etc.

Now hacker can run a c program which will check each password in this passwords.txt file to the root account of the server and if the password will be a simple password hacker will be able to logon to server and hacker hacks the server.

Above is the explanation of Brute Force Attack.

What is a Denial of Service Attacke or DOS Attack?

For example there is a website running on a server. Now it can't handle much requests. so if a hacker directs lakhs of requests to this server in a programming language like C and through the implementation of threads. Server will fail because server will not be able to handle such a large number of requests at a time so server will shutdown or stop working so this is DOS Attack.