

Ex. No.: 2

## CRACK THE HASHES

Date:

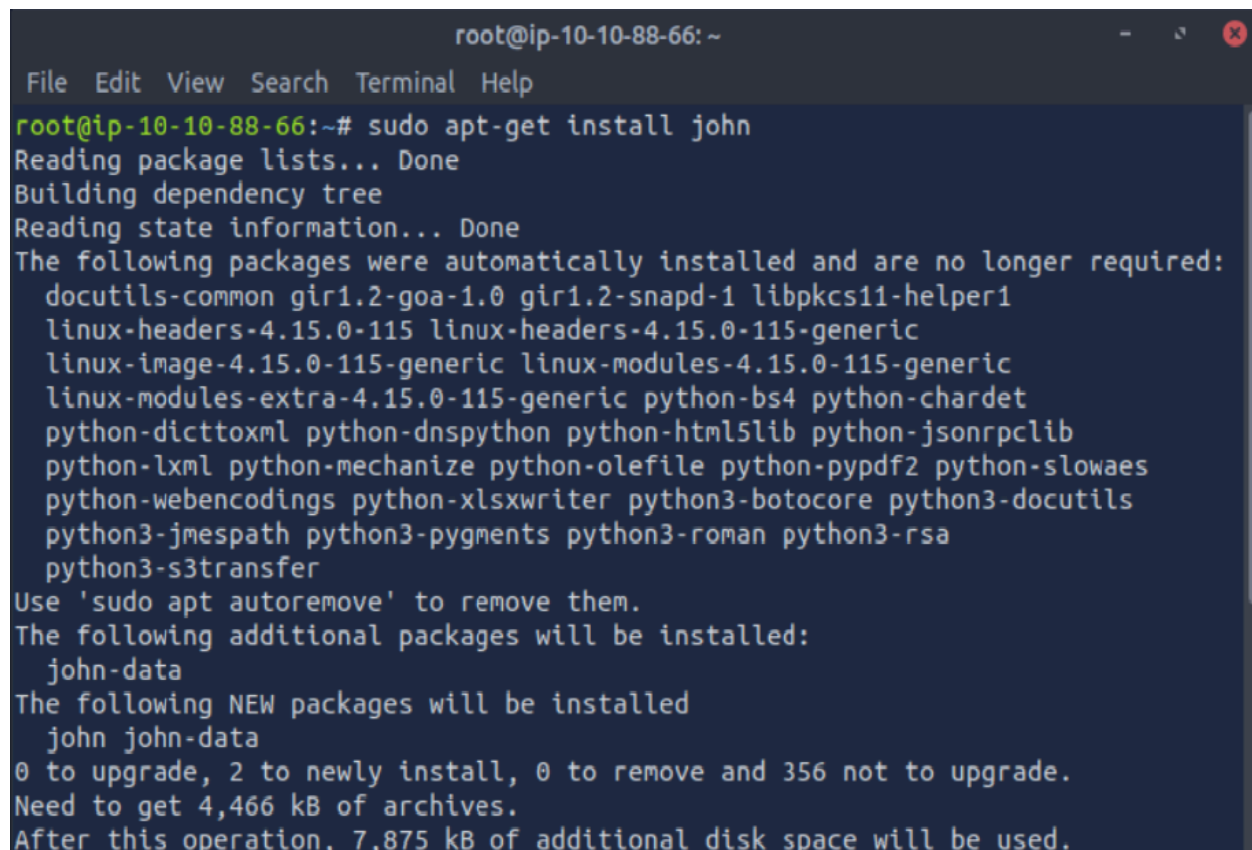
Aim:

To install and crack the hashed passwords using John-the-Ripper tool in Kali Linux.

Algorithm:

1. Install John-the-Ripper on your system using `sudo apt install john`
2. Prepare the hash file `hashes.txt` that is to be cracked.
3. Run John-the-Ripper specifying the path to the `wordlist.txt` and `hashes.txt`
4. Monitor the cracking process using status option in another terminal

Output:



```
root@ip-10-10-88-66: ~  
File Edit View Search Terminal Help  
root@ip-10-10-88-66:~# sudo apt-get install john  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  docutils-common gir1.2-goa-1.0 gir1.2-snapd-1 libpkcs11-helper1  
  linux-headers-4.15.0-115 linux-headers-4.15.0-115-generic  
  linux-image-4.15.0-115-generic linux-modules-4.15.0-115-generic  
  linux-modules-extra-4.15.0-115-generic python-bs4 python-chardet  
  python-dicttoxml python-dnspython python-html5lib python-jsonrpc-lib  
  python-lxml python-mechanize python-olefile python-pypdf2 python-slowaes  
  python-webencodings python-xlswriter python3-boto-core python3-docutils  
  python3-jmespath python3-pygments python3-roman python3-rsa  
  python3-s3transfer  
Use 'sudo apt autoremove' to remove them.  
The following additional packages will be installed:  
  john-data  
The following NEW packages will be installed:  
  john john-data  
0 to upgrade, 2 to newly install, 0 to remove and 356 not to upgrade.  
Need to get 4,466 kB of archives.  
After this operation, 7.875 kB of additional disk space will be used.
```

Name: Ram Haygrev S

Roll No: 231901039

Result: Thus, successfully installed John-the-Ripper tool and cracked the password hashes.