# Shaheed Sukhdev College of Business Studies

University of Delhi

Post Graduate Diploma in Cyber Security and Law

Sakshi Garg • Roll no-23726 • Semester-1

Foot printing

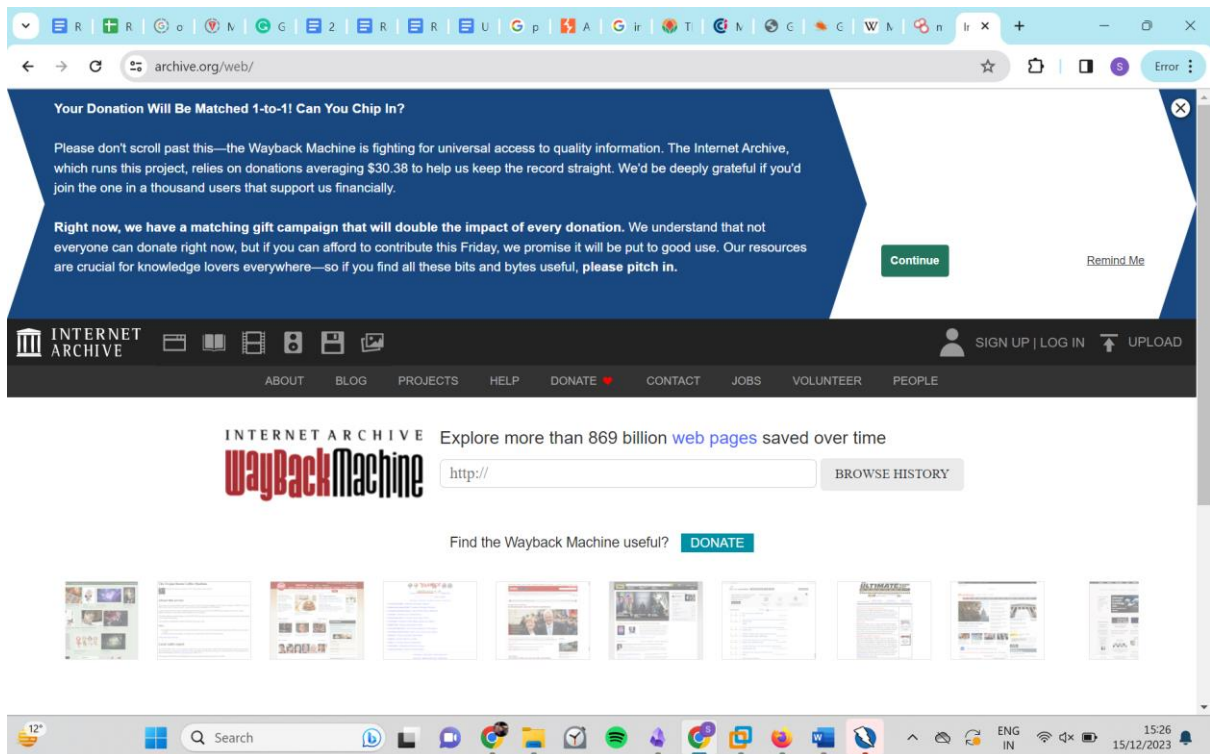## Shodan Search Engine:

It is a search engine that led user to search for various types of servers connected to the internet using variety of filters. Some have also described it as a search engine of service, banners.
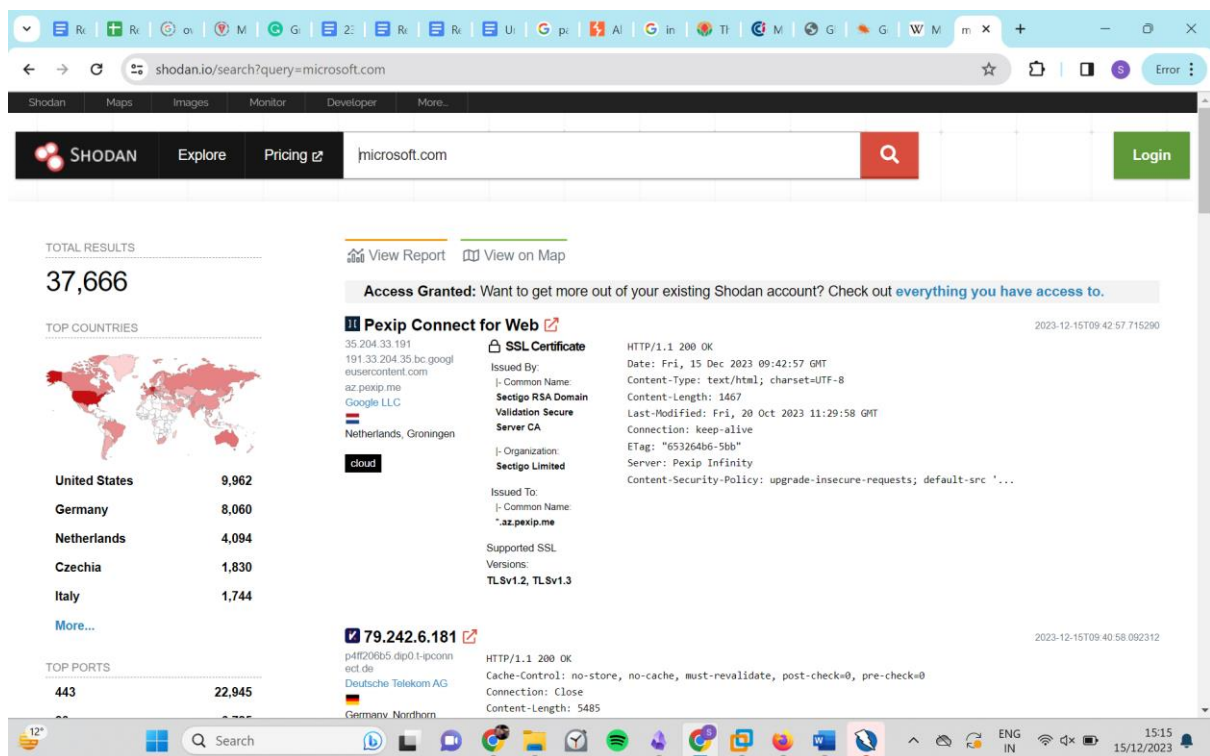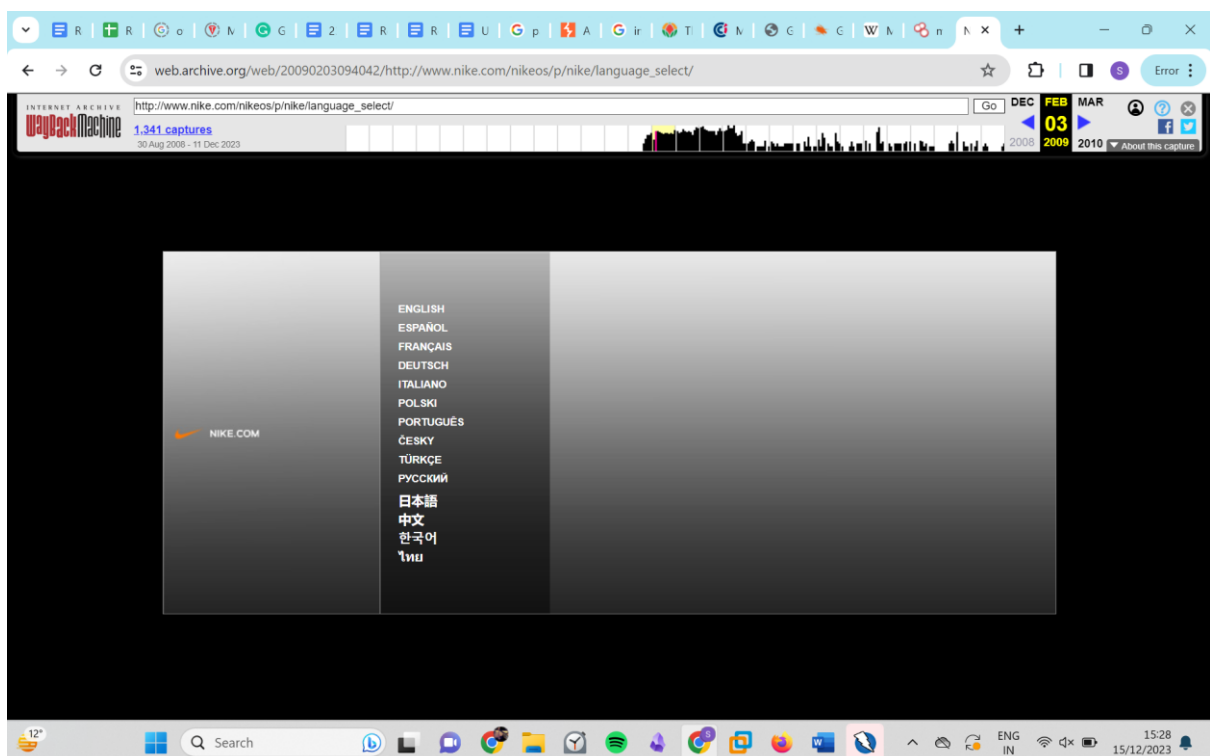

Way back machine:

It allows the user to go back in time to see how website used to look once

Example – Nike.com

Whois Record:

WHOIS is a query and response protocol that is used for querying databases that store an internet resource's registered users or assignees. These resources include domain names, IP address blocks and autonomous systems, but it is also used for a wider range of other information.
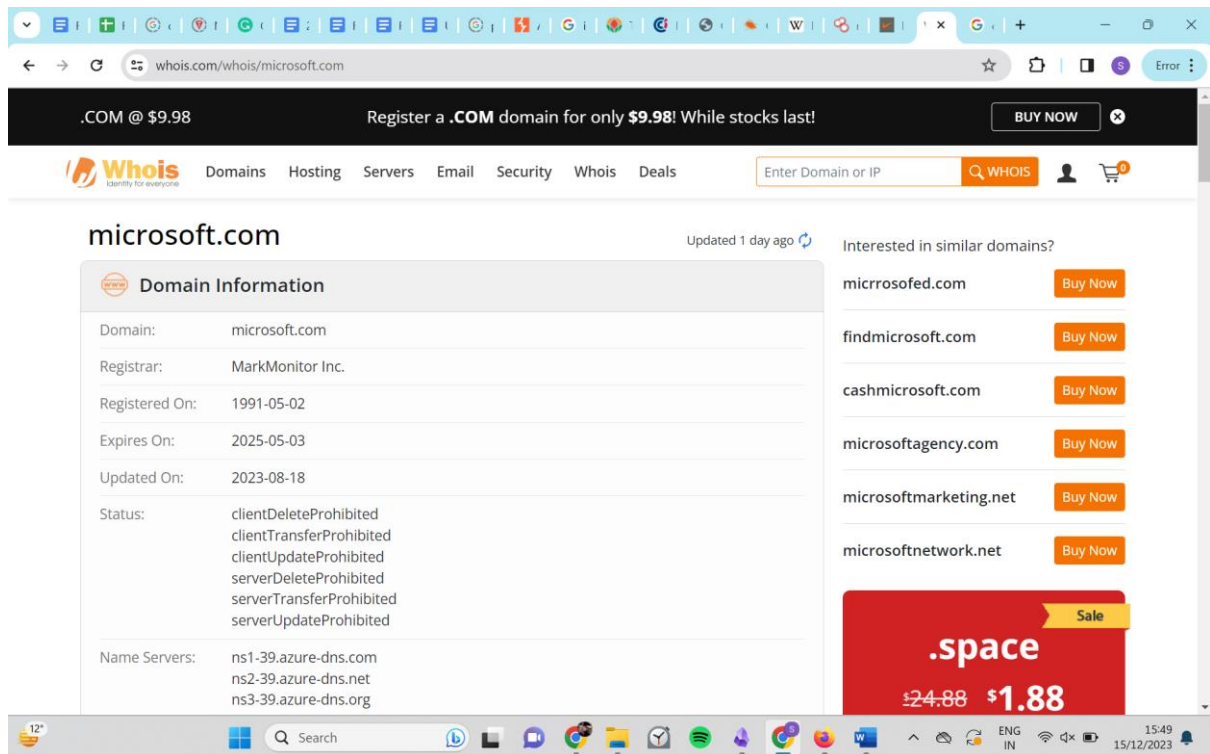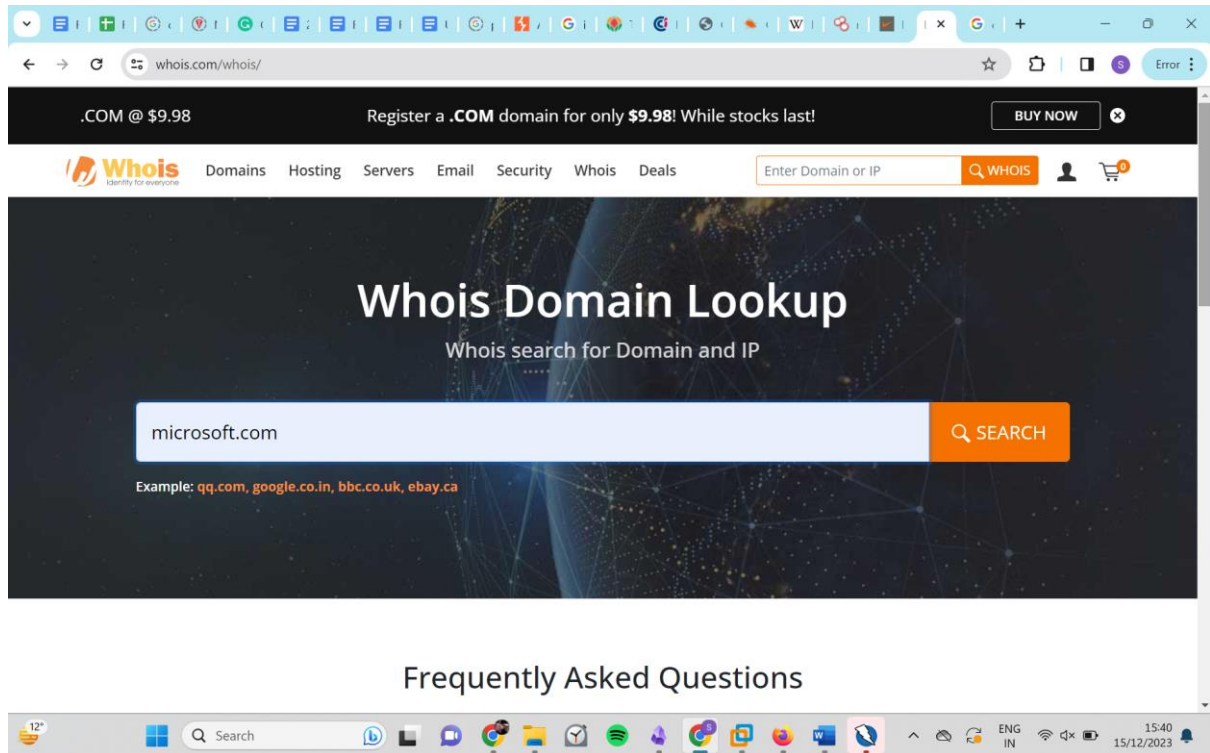
whois.com/whois/microsoft.com

Whois Identity for everyone

Domains | Hosting | Servers | Email | Security | Whois | Deals

Enter Domain or IP   🔍 WHOIS

Raw Whois Data

```
Domain Name: microsoft.com
Registry Domain ID: 2724960_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.markmonitor.com
Registrar URL: http://www.markmonitor.com
Updated Date: 2023-08-18T16:15:54+0000
Creation Date: 1991-05-02T04:00:00+0000
Registrar Registration Expiration Date: 2025-05-03T00:00:00+0000
Registrar: MarkMonitor, Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2086851750
Domain Status: clientUpdateProhibited (https://www.icann.org/epp#clientUpdateProhibited)
Domain Status: clientTransferProhibited (https://www.icann.org/epp#clientTransferProhibited)
Domain Status: clientDeleteProhibited (https://www.icann.org/epp#clientDeleteProhibited)
Domain Status: serverUpdateProhibited (https://www.icann.org/epp#serverUpdateProhibited)
Domain Status: serverTransferProhibited (https://www.icann.org/epp#serverTransferProhibited)
Domain Status: serverDeleteProhibited (https://www.icann.org/epp#serverDeleteProhibited)
Registry Registrant ID:
Registrant Name: Domain Administrator
Registrant Organization: Microsoft Corporation
Registrant Street: One Microsoft Way,
Registrant City: Redmond
Registrant State/Province: WA
Registrant Postal Code: 98052
```

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whois.com/whois/192.168.32.1

Whois Identity for everyone

Domains | Hosting | Servers | Email | Security | Whois | Deals

Enter Domain or IP   🔍 WHOIS

Whois IP 192.168.32.1

Updated 1 day ago

```
#
# ARIN WHOIS data and services are subject to the Terms of Use
# available at: https://www.arin.net/resources/registry/whois/tou/
#
# If you see inaccuracies in the results, please report at
# https://www.arin.net/resources/registry/whois/inaccuracy_reporting/
#
# Copyright 1997-2023, American Registry for Internet Numbers, Ltd.
#


NetRange:       192.168.0.0 - 192.168.255.255
CIDR:           192.168.0.0/16
NetName:        PRIVATE-ADDRESS-CBLK-RFC1918-IANA-RESERVED
NetHandle:      NET-192-168-0-0-1
Parent:         NET192 (NET-192-0-0-0-0)
NetType:        IANA Special Use
OriginAS:
Organization:   Internet Assigned Numbers Authority (IANA)
RegDate:        1994-03-15
Updated:        2013-08-30
Comment:        These addresses are in use by many millions of independently operated networks, wl
```
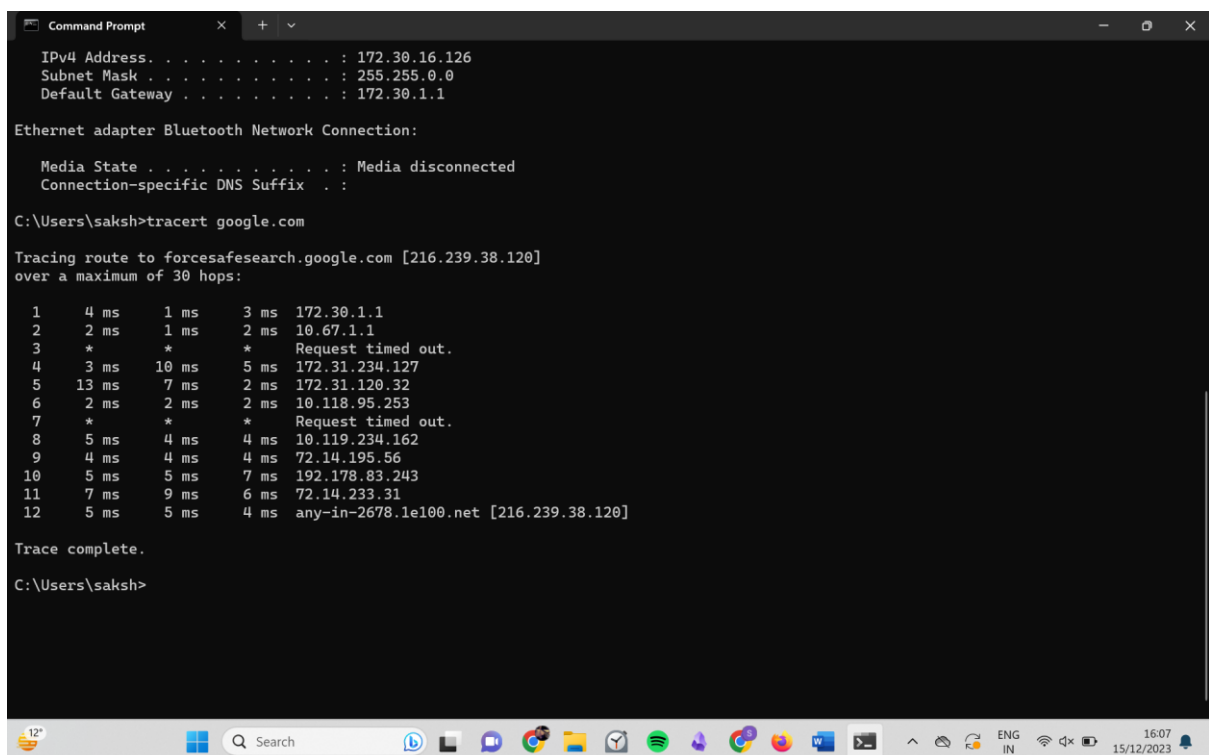
Tracert:

The window tracert tool determines the root to a destination by sending ICMP Packets to the destination in these packets. Tracert uses varying IP Time-To - Live(TTL) values. The TTL is effectively a hop-counter, where a hop is a location that the packet stops at, to reach destination.

How to use Tracert

1. Press **Windows key** + **R** to open the **Run** window.
2. Enter **cmd** and press **Enter** to open a **Command Prompt**.
3. Enter **tracert**, a space, then the IP address or web address for the destination site (for example: tracert www.lexis.com).
4. Press **Enter**.