

# The Internet

**WWW, Deep Web & Dark Web**

# What do you know about the Internet?

- 1. What year did the WWW started to be used?**
  - a) 1974
  - b)1989
  - c)1991
- 2. What was the name of the first search Engine?**
  - a) Altavista
  - b) Google
  - c) Archie
- 3. Which social media was launched in 2004 and was initially made for students?**
  - a) Facebook
  - b) Instagram
  - c) Twitter
- 4. What was the first name of Google?**
  - a) WebFinder
  - b) BackRub
  - c) SearchIt
- 5. What does the E in email stand for?**
  - a) easy
  - b) electronic
  - c) external
- 6. Who was the inventor of the Internet?**
  - a) Bill Gates
  - b) Tim Berners-Lee
  - c) Cerf and Kahn

# What is the Internet?

<https://www.youtube.com/watch?v=jVDBsPZDpMs>

## TRUE OR FALSE

1. The Internet is a technology that will disappear with time
  2. The Internet needs both physical cables and wireless connections
  3. A server stores data and works like a personal computer
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# Internet Concepts Summary Box

KEY CONCEPT	DEFINITION / DESCRIPTION
Definition	Global Network made of billions of computers
Primary Function	Allow computers to communicate with each other and share information and data
Infrastructure	Physical cables and wireless connection
Server	Where data are stored

# Internet Concepts Summary Box

KEY CONCEPT	DEFINITION / DESCRIPTION
Websites Access Process	The server receives the request of the user and send back the correct data
Types of Data	text, images and videos
Major Challenges	cyberbullying, fraud, privacy and security concerns
Long-Term Predictions	destined to stay and evolve with time

# Match the Words with the correct Definition

1. connect (v)
  2. rules (n)
  3. invented (v)
  4. creating (v)
  5. browsers (n)
  6. allowed (v)
  7. common (adj.)
  8. streaming (adj.)
- a. let something happen
  - b. something you can see often
  - c. programs used to view websites
  - d. instructions that tell you how to do something
  - e. made something for the first time
  - f. relating to watching videos or listening to music on the internet
  - g. join things together
  - h. making something new

# Use the words in the box to complete the sentences

**BROWSE CLICK DOWNLOAD SCROLL STREAM COMMENT INSTALL POST SHARE TAG**

What do you use to \_\_\_\_\_ through a website?

Do you often \_\_\_\_\_ different websites for information?

Is it dangerous to \_\_\_\_\_ files from the internet?

Where do you \_\_\_\_\_ to close a box?

Do you usually \_\_\_\_\_ movies or music online?

When do you normally \_\_\_\_\_ images on social media?

How do you \_\_\_\_\_ on a video?

Do you always \_\_\_\_\_ your friends in photos?

How can I \_\_\_\_\_ an interesting article with my friend?

Is it difficult to \_\_\_\_\_ a new app on your smartphone?

# WWW: World Wide Web

- It is a system of interlinked hypertext documents and resources that are accessed via the Internet.



it allows people to view and share information over the Internet

- it uses Web Pages written in languages like HTML
- It is accessible through Web Browser

# Key Components

- **WEB BROWSER:** the program you use to open the web pages
- **WEB SERVER:** A computer that stores website files and sends them to browsers when requested.
- **URL (Uniform Resource Locator):** The address you type to reach a web page
- **HTTP:** Protocols that define how messages are formatted and transmitted
- **HTML, JavaScript:** Languages used to create and style web pages and add interactivity.

# WHAT IS THE DARK WEB?

## Surface Web

The part of the internet accessible to everyone and indexed by search engines like Google. It includes everyday sites like news, social media, and online stores, but makes up only 4-10% of the internet.

## Deep Web

The larger, unindexed part of the internet, containing private data like academic resources, medical records, and login-protected sites. It's typically not malicious - just not publicly searchable, and makes up about 90-96% of the internet.

## Dark Web

A small part of the deep web requiring special tools like Tor to access. It offers anonymity for both legal uses (like activism) and illegal activities (like black markets).

# The DEEP WEB &

# DARK WEB

[https://www.youtube.com/  
watch?v=c9XkgOfadts](https://www.youtube.com/watch?v=c9XkgOfadts)

# What is the Surface Web?

is the Web people use everyday for information and simple search. It is indexed and accessible to anyone through Search Engines.

# What is the Deep Web?

It's the biggest part of the Web that is not indexed by search engines (you can't find these pages by searching them):

- pages that require login (emails, bank account, social media)
- data that are not accessible by the public (publicly available)

# TOR - Onion Router

Is a technology that hides your connection/path/route in a website, it makes your activity anonymous.

It's not just used for illegal activities, it is also used to avoid censorship.

It is required to access the Dark Web

# What is the Dark Web?

Small part of the internet.

It can be used for illegal activities (black market) but it can be also used for good purposes (bypass censorship) or simply to stay anonymous.

# Common Misconceptions

1. People think that Deep Web and Dark Web are the same and the 2 terms are used interchangeably
2. The Deep Web is not so hard to find and so mysterious because we use it everyday.
3. The Dark Web is not so dangerous as we think and it's not used only by criminals, it can be used to do good.