

Difference Between a Search Engine and a Web Browser

Web Browser is used to access the internet, while Search Engines, on the other hand, are used to find specific information on a website. Here, we have provided the difference between web browsers and search engines.

Web Browser

The Web Browser is an example of application software designed to retrieve and display data from web pages or HTML files stored on web servers. Sir Tim Berners-Lee invented the first Web Browser in 1990, and the mosaic, the very first graphical Web Browser, was built in 1993. Following then, a variety of Web Browsers were created.

A Web Browser is a client application that communicates with a web server to obtain the user's requested information. The web server's job is to return the output to the client's Web Browser. HTTP stands for Hypertext Transfer Protocol in its entire form. The Web Browser uses this protocol to deliver requests to web servers.

Search Engine

A Search Engine is a software system that allows a user to surf the internet, which entails searching the internet more systematically for specific information that the user seeks.

A Search Engine is a website that allows users to search for specific information. When a user inputs the information they want and presses the search button, the Search Engine searches its index and displays related Websites in the form of a list, which the user may then select from.

Search Engine and Web Browser: Key Features

A search engine is a program that searches for and identifies objects in a database that match keywords or characters entered by the user and is used to identify specific sites on the World Wide Web. On the other hand, a web

browser is a piece of software that allows you to access information via the World Wide Web.

Let us discuss their key features.

Search Engine

- A search engine aids in discovering information on the Internet.
- The results are displayed once the information has been found.
- It assists in the collection and maintenance of data from multiple URLs.
- It has a database of its own.
- Google, Yahoo, Bing, DuckDuckGo, and Baidu Internet Explorer are examples of search engines.

Web Browser

- It retrieves and displays information from online pages using a search engine.
- The information displayed on the web page is stored on the web servers.
- They assist in displaying the web page of a currently available URL on the server.
- A web browser does not require a database.
- A web browser's cache memory is used to store cookies.
- Mozilla Firefox, Netscape Navigator, and Google Chrome are examples of web browsers.

Difference Between Search Engine and Web Browser

The major differences between Search Engine vs Web Browser are discussed below in detail:

Web Browser

A web browser utilizes a graphical interface to assist users in having an interactive online session on the World Wide Web.

It does not have a database.

On the same device, multiple web browsers can be installed.

Web browsers are designed to display the web page associated with the current URL on the server.

Search Engine

There are three main components of a search engine, Index of search terms, a Crawler, and an Algorithm for searching.

There is just enough memory to store cache and cookies. It comes with its database.

You do not require the installation of a search engine on your computer.

The purpose of a search engine is to collect and present information about several URLs.

Web Browser uses the search engine to retrieve and display information from web pages on online servers.

Web Browsers' purpose is to display the web page of the current URL available on the server.

A search engine is a tool that searches the internet for information and shows the results in one place.

The search engine aims to collect and preserve information about many URLs.

Search Engine vs Web Browser

A user can choose the search engine and web browser. Most people prefer the Google search engine because its advanced algorithms help quickly present accurate and relevant results sorted in terms of priority. Internet Explorer or Google Chrome is commonly used for web browsing.

The search engine uses a crawler or bot to scan sites to figure out short and long-tail keywords, inbound and outbound links, and other attributes. Based on these, site URLs are indexed, which the search algorithm then uses to search appropriate websites matching the search criteria effectively.

The web browser has a graphical user interface with a search bar for typing web URLs. Information is retrieved by browser from web servers using HTTP and TCP/IP protocols and presented in dynamic or static style based on formatting.

