



Main functionality of browser is to fetch from server and give HTML content as response.

Every URL has unique IP Address.

Browser find the IP Address, establish connection with server using Synchronization and message, it fetch the information from the server and display that content.

Browser Component:

1)User Interface: It is an environment allowing to use certain features like search bar, menu buttons etc.

2)Browser Engine: The Bridge connects the interface and the engine. It monitors the rendition engine while manipulating the inputs coming from multiple user interfaces.

3) Networking-

The protocol provides an URL and manages all sorts of safety, privacy and communication. In addition, the store network traffic gets saved in retrieved documents.

4) Data Storage

The cookies store information as the data store is an uniform layer that the browsers use. Storage processes like IndexedDB, WebSQL, localStorage, etc works well on browsers.

5) JavaScript Interpreter

It allows conversion of JavaScript code in a document and the executes it. Then the engine shows the translation on the screen to the users.

PARSING: Means Split into small parts examine them.

DATA Parsing is the conversion of data format to another, easily readable data format. It's about analyzing relationships between components in a given piece of data.

Parser Importance:

We can structure the data in any way what we like, such as json.

For example: If we receive data in HTML format, with the help of parser, it will be translated the data more understandable form.

It also used in web scraping and data extraction.

In SEO analysis it used the optimization the information.

Parser is makes data easy readable format, so improve the employee productivity and efficiencies such as data analyst or programmer.