

## • *How does the web work?*

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- We have seen how a Web client - server interaction happens. We can summarize these steps as follows –
- A user enters a URL into a browser (for example, [Google.com](https://www.google.com)). This request is passed to a domain name server.
- The domain name server returns an IP address for the server that hosts the Website (for example, 68.178.157.132).
- The browser requests the page from the Web server using the IP address specified by the domain name server.
- The Web server returns the page to the IP address specified by the browser requesting the page. The page may also contain links to other files on the same server, such as images, which the browser will also request.
- The browser collects all the information and displays to your computer in the form of Web page.

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- Web Browsers are software installed on your PC. To access the Web, you need a web browser, such as Netscape Navigator, Microsoft Internet Explorer or Mozilla Firefox.
  - Currently you must be using any sort of Web browser while you are navigating through our site tutorialspoint.com. On the Web, when you navigate through pages of information, this is commonly known as web browsing or web surfing.
  - There are four leading web browsers – Explorer, Firefox, Netscape, and Safari, but there are many others browsers available. You might be interested in knowing Complete Browser Statistics. Now we will see these browsers in bit more detail.
  - While developing a site, we should try to make it compatible to as many browsers as possible. Especially sites should be compatible to major browsers like Explorer, Firefox, Chrome, Netscape, Opera, and Safari.



- ***Haw do you need to be a web developer?***

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- Web development is a field that is expanding with the introduction of new technologies, such as apps on smartphones and tablets. The demand for people who are familiar with creating new apps and programs is very high.<sup>[1]</sup> Becoming a web developer is a good strategy for people who are tech savvy, but it will take some work and learning. If you are looking to build a career as a web developer, you will need to learn a set of skills involving programming languages, graphic editing, and marketing.

\* Understanding What is Required to Become a Web Developer

- 1- Know what employers are looking for.
- 2- Understand what computer skills you need to become a web developer.
- 3- Understand that web development is a very demanding career.

\* Learning About Programming Languages

- 1- Understand the purpose and function of programming languages and platforms.
- 2- Become familiar with HTML.
- 3- Learn about Java.
- 4- Develop skills using NET/ C#.
- 5- Think about learning PHP.
- 6- Consider developing skills in writing C++ code.
- 7- Learn how to code in Python.



- ***What is the role of a web developer.***

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- Web developers design and build websites. They are typically responsible for the appearance, of the site and technical aspects, such as site speed and how much traffic the site can handle. Web developers may also create site content that requires technical features.
- They are sometimes known as web designers or full-stack developers if they can do both front-end and back-end development.

