**How does web work ?**

When you type a web address into your browser (for our analogy that's like walking to the shop):

The browser goes to the DNS server, and finds the real address of the server that the website lives on (you find the address of the shop).

The browser sends an HTTP request message to the server, asking it to send a copy of the website to the client (you go to the shop and order your goods). This message, and all other data sent between the client and the server, is sent across your internet connection using TCP/IP.

If the server approves the client's request, the server sends the client a "200 OK" message, which means "Of course you can look at that website! Here it is", and then starts sending the website's files to the browser as a series of small chunks called data packets (the shop gives you your goods, and you bring them back to your house).

The browser assembles the small chunks into a complete web page and displays it to you (the goods arrive at your door — new shiny stuff, awesome!).

**What do you need to be a web developer?**

While there are no formal or specific qualifications required to become a web developer, a numerate degree in a subject such as maths or science will be useful.

You should also ideally have an aptitude for - or experience of - elements such as:

-User experience (UX)

-User interface (UI)

-Visual design

-Coding languages including HTML and CSS

-Frontend web programing languages and skills such as JavaScript, Ajax and web animation techniques

-Backend web programing languages such as C# or Java, PHP and Ruby

-Web servers and how they function

**Why did you choose to learn web development?**

1-Now Hiring!

2-A Great Income.

3-You Can Work From Anywhere.

4-You Can Work at an Awesome Tech Company.

5-There Are Always Freelance Opportunities. ...

6-It's Creative and Fun.