

1. Describe how HTTPS is different from HTTP. (Not less than 250 words)

HTTP stands for Hyper Text Transport Protocol and it has been used since 1990. The first version of HTTP was HTTP/0.9 but the recent version of HTTP is HTTP/1.1 and it was used for raw data transfer. HTTP works in request and response Protocol which means if you are a client and you are requesting a web page to a server and it delivers that page as a response. HTTP gradually gets improving and now the best version of HTTP is HTTPS which is Hyper Text Transport Protocol with a secured connection.

Now let's see the visual diagram of the HTTP working mechanism:

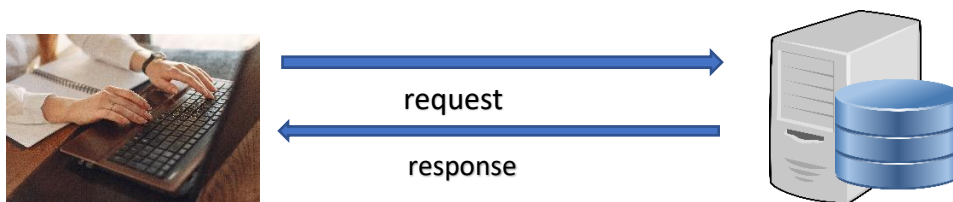


Figure: HTTP request and response.

When we have to talk about HTTPS, it stands for Hyper Text Transfer Protocol Secure, and security is maintained with the help of a certificate named SSL/TLS Certificate.

As we got some ideas from the above information now let's see how HTTP is different from HTTPS:

HTTP	HTTPS
<ul style="list-style-type: none"> • There are security issues in HTTP. • HTTP works under layer 7 of the OSI model which is the Application Layer. • HTTP doesn't use any certificate 	<ul style="list-style-type: none"> • HTTPS is more secure than HTTP. • HTTPS works under layer 4 of the OSI model which is the Transport Layer. • HTTPS uses certificate named SSL/TLS Certificate.

2. Make an HTML page using the tags and attributes we learned and push it to a public GitHub repository and place the link.

https://rahulho.github.io/web_dev/