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98. Installing MonqoDb & Hosting

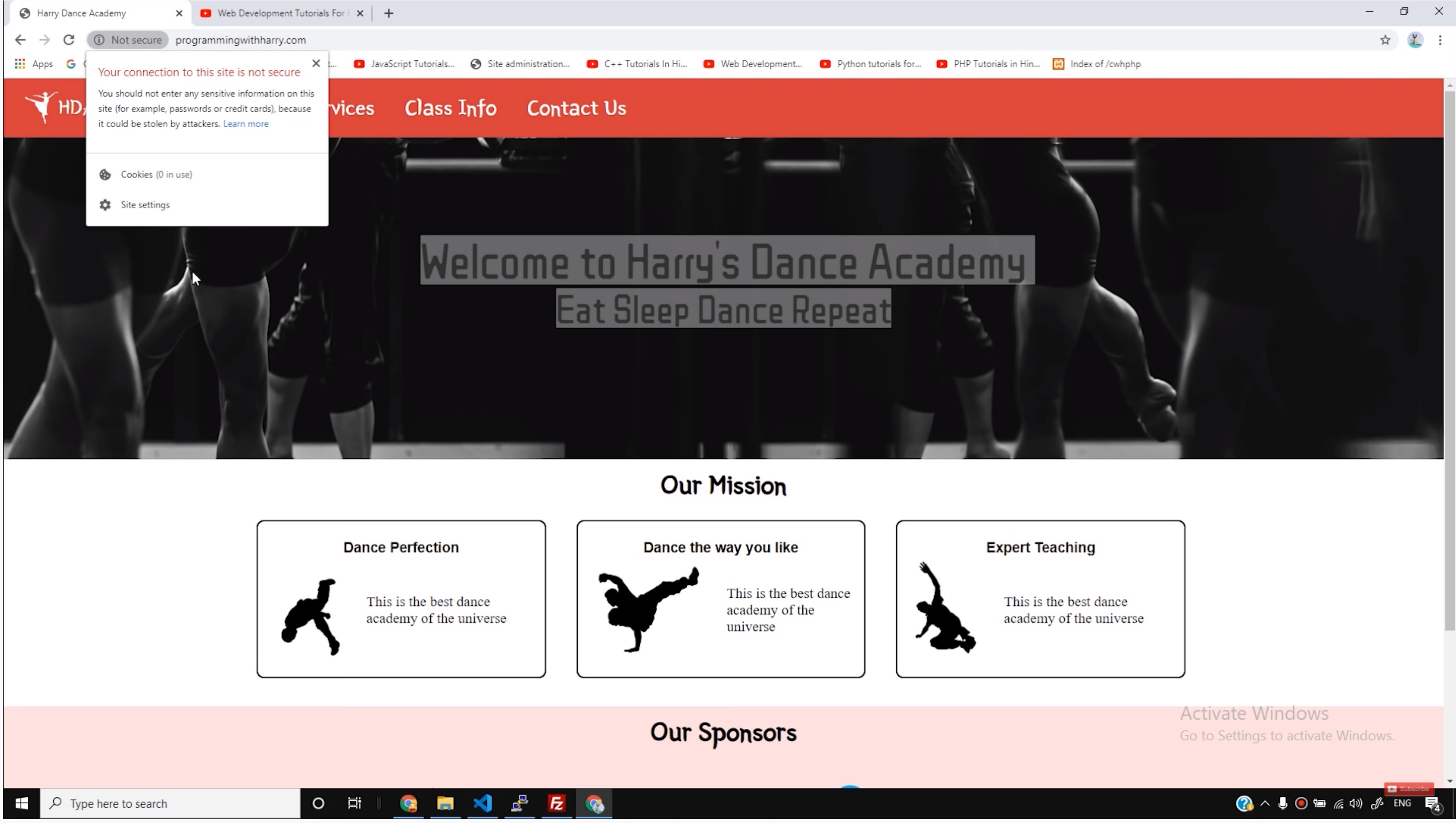
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Get a Free SSL Certificate For Your Domain on Ubuntu VPS

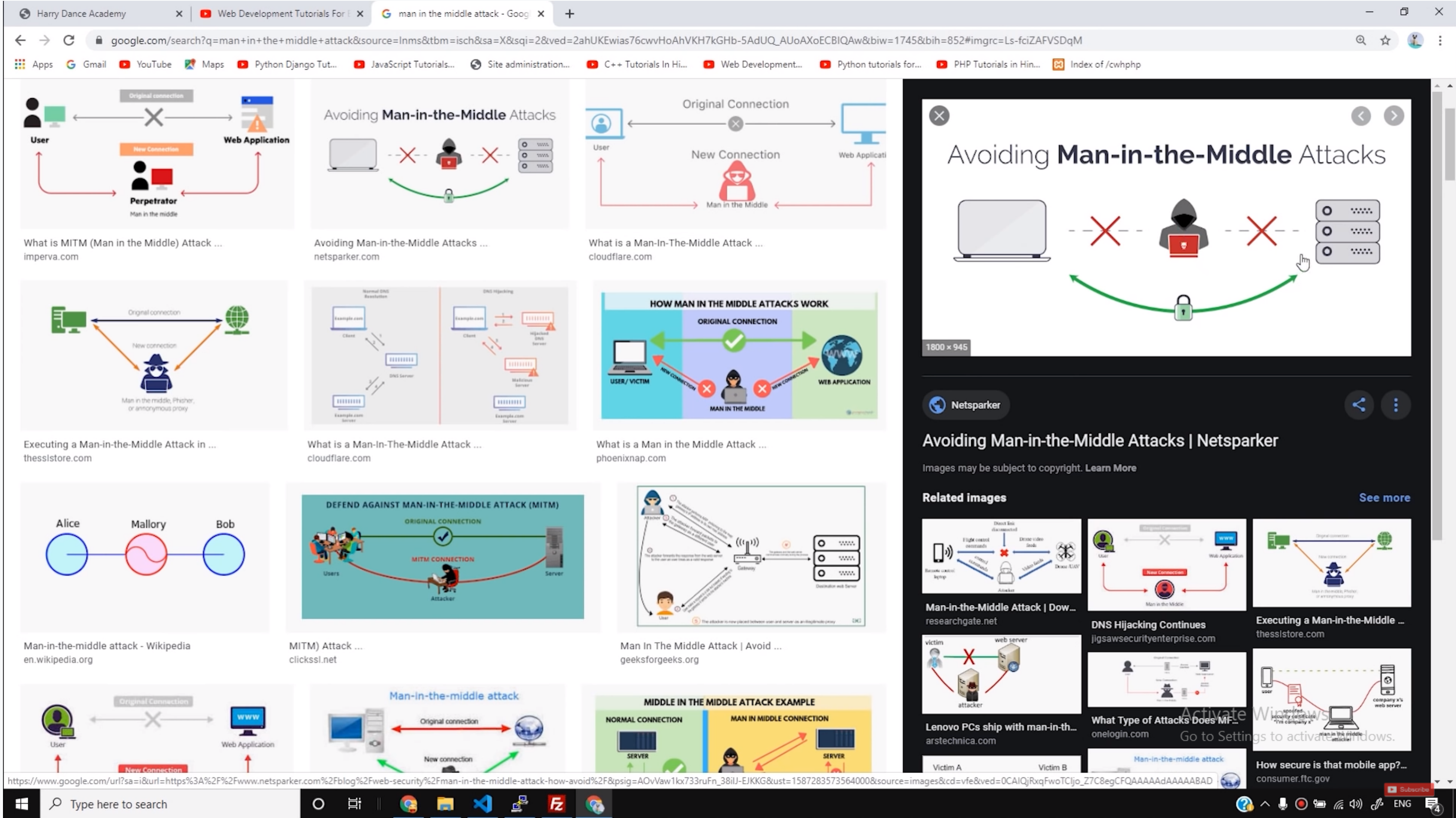
In the last tutorial, we have seen how to host our dance website we created on *programmingwithharry.com* domain. In this tutorial, we will see how to install a SSL certificate on our website to make it more secure for the visitors.

SSL certificates are what enable websites to move from HTTP to **HTTPS**, which is more secure. An SSL certificate is a data file hosted in a website's origin server. SSL certificates make SSL/TLS encryption possible, and they contain the website's public key and the website's identity, along with related information.

If we initially view our website, we get the message as *not secure* as shown here-



With installing SSL, we get saved by a man *in the middle* attack. Man in the middle attack can be understood easily by this picture-



So let us now see how to install this SSL certificate on our website. For installing the SSL certificate, we simply need to follow the guide [here](#).

- First we need to add the repository by writing the following command-

sudo add-apt-repository ppa:certbot/certbot

- To automatically update this certificate 90 days on our domain, we need to install *Certbot* with the following command-

sudo apt install python-certbot-apache

- To check if the configuration of our apache server is good or not, we need to run the following command-

sudo apache2ctl configtest

- The next step is to check the status of our firewall with the following command-

sudo ufw status

- Then we need to allow the the firewall status with the following command-

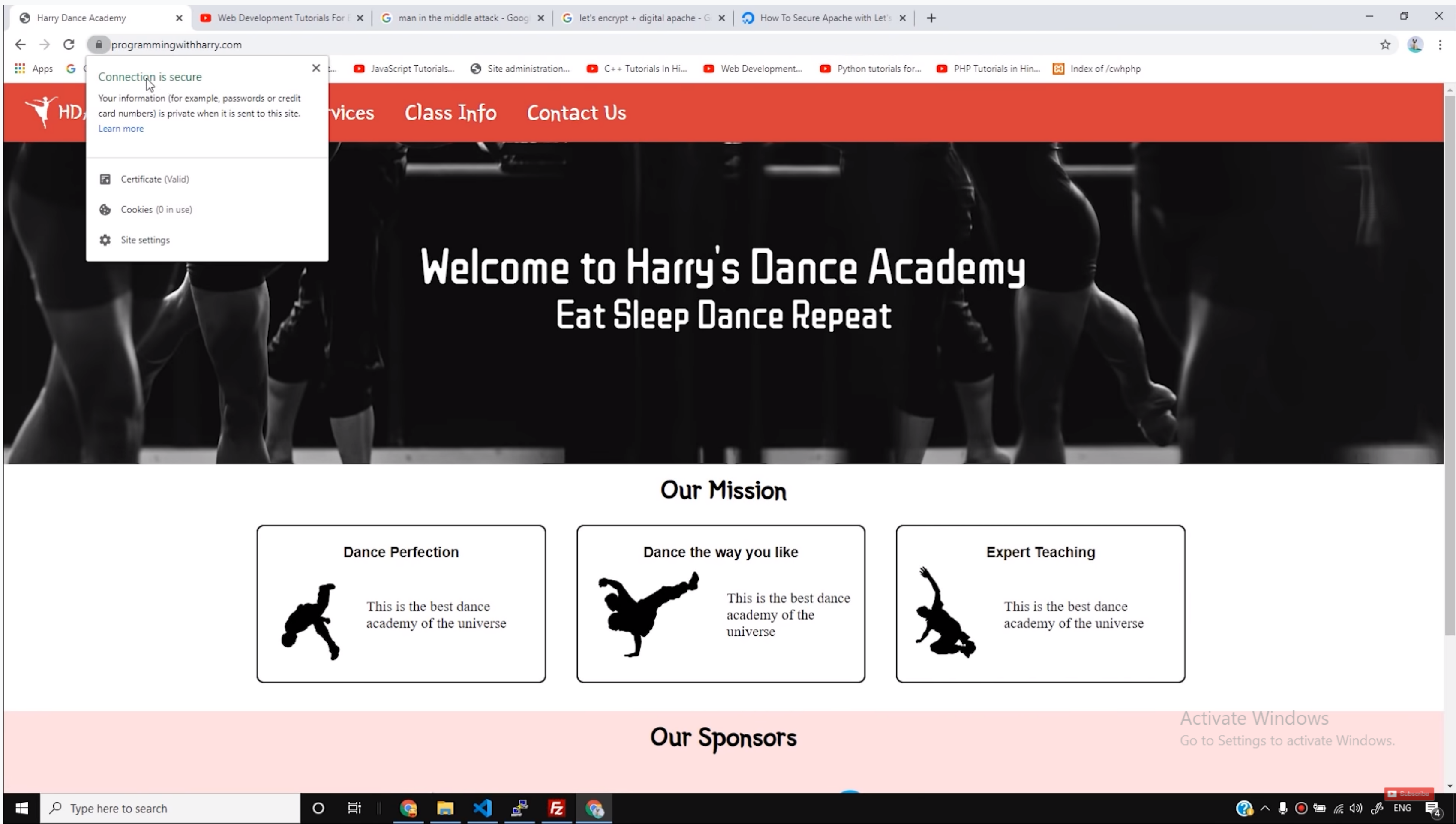
sudo ufw allow 'Apache Full'

sudo ufw delete allow 'Apache'

- Then we need to enter our domain name to get obtain the SSL certificate as follows-

sudo certbot --apache -d your_domain -d www.your_domain

Then we need to enter the email address. After a few seconds our SSL certificate will get installed on the domain. Now if we visit our domain, we get the output as follows-



So I hope you must have understood how to install an SSL certificate for free on your domain.