How to Enable HTTPS in Your Domain Hosted on Linux Remote Server or VPS

Let's Encrypt is a non-profit certificate authority run by Internet Security Research Group that provides X.509 certificates for Transport Layer Security encryption at no charge.

- To Access Remote Server via SSH

```
Syntax:- ssh -p PORT USERNAME@HOSTIP

Example:- ssh -p 22 root@216.32.44.12
```

- Install Certbot and python3-certbot-apache

```
apt install certbot python3-certbot-apache
- Certbot is a free, open source software tool for automatically using Let's Encrypt certificates on manually-administrated websites
- python3-certbot-apache is a Apache plugin for Certbot.
```

- Verify Web Server Ports are Open and Allowed through Firewall

```
ufw status verbose
```

- Obtain an SSL certificate

```
certbot --apache
```

- Check Status of Certbot

```
systemctl status certbot.timer
```

- Dry Run SSL Renewal

```
certbot renew --dry-run
```