OBSERVATION ON OPENVPN

vpn:
VPN stands for "Virtual Private Network." It creates a secure connection between your device and the internet, encrypting your data and masking your IP address.

openvpn:
OpenVPN is an open-source virtual private network (VPN) software that creates secure connections over the internet. It is considered one of the most secure and versatile VPN solutions available, and it is used by individuals and businesses alike to protect their data and privacy online.

Observation:
The assignment openvpn helped me to understand how the vpn works.
When i created a instance of openvpn it allowed me to use openvpn on my machine,which helped me to access my private instance.

A private instance is a instance which cannot be accessed by any ip address cause it doesn't have any internet gateway, it can only accessed through the ip's which are given in its security groups or can be said as private instance can only accessed through certain ip's.

When a machine is not connected to a vpn it's ip address changes regularly, so through the machine without vpn it is not possible to connect to private instance.
Here comes the vpn, i used openvpn which is the best tool in market.
Openvpn made me to access the private instance by masking my ip and making one static ip visible to all.whenever i connect to the openvpn the ip will be static and that ip is allowed by private instance security group.

But for now as im not a premium member the ip changed every time i signin. Overall when a person who have membership uses openvpn will get a static ip which wont change and will help to access private instance.

The main thing here in assignment is the openvpn instance private ip should be pasted in the private instance security group to access the private instance.