1. Follow this link if you are deploying the first time. The following is just copy pasting from the link in a step wise fashion.

<https://medium.com/@pokepim/deploying-streamlit-app-to-ec2-instance-7a7edeffbb54>

**Setting up AWS instance**

1. Setup AWS Account.
2. Choose Ec2 from Services.
3. Choose Amazon Linux AMI 2018.03.0 & t2. micro Instance on next screen.
4. We also need to configure ports so that our app can be accessed publicly. For this purpose, we go to the security tab & add custom rules for port range. I would suggest adding 8501 to 8505 or more depending upon the number of projects you would like to host.
5. We need putty to connect to our Instance, on windows we can do that with Putty. During the above process of creating an instance, we downloaded a pem key. We now need to create a .ppk file from this file. For this purpose, we can use puttygen that comes with Putty, load the pem key & save private key.
6. Open Putty, in the host name field we put the address of instance (can be found in DNS field in AWS console) You also need to add ec2-user@ in front of the public dns address. So, it will look something like this: ec2-user@ec2–12 — — — —. compute.amazonaws.com .
7. After this, go to the putty ssh section, select auth. After that browse & select the ppk file.
8. Type the name of the session so that it can be connected easily afterwards.

**Linux Environment Setup**

If you have saved this session, that you can connect to the linux anytime you want. We have now a running linux.

1. We need to install python, set the version.
2. Then we need to install pip, stream lit & other relevant libraries that we are using in the code.
3. Once the environment is set, we need to port our code to the linux machine

**Porting the code**

1. For porting the code to the Ec2 machine, we can use winscp client.
2. We can import saved session from putty.
3. Here we drop our files.
4. Once the files are dropped, we need to run our code through terminal.

**Running the code**

1. To run the code, we simply use streamlit run filename.py
2. However, to keep running the code we need tmux.
3. Using Tmux we can create different sessions & it will keep the code running.
4. Installing tmux (sudo yum install tmux)
5. Create new windows & run the app from there
6. This way you can run multiple applications.