

DAY-3 ASSIGNMENT

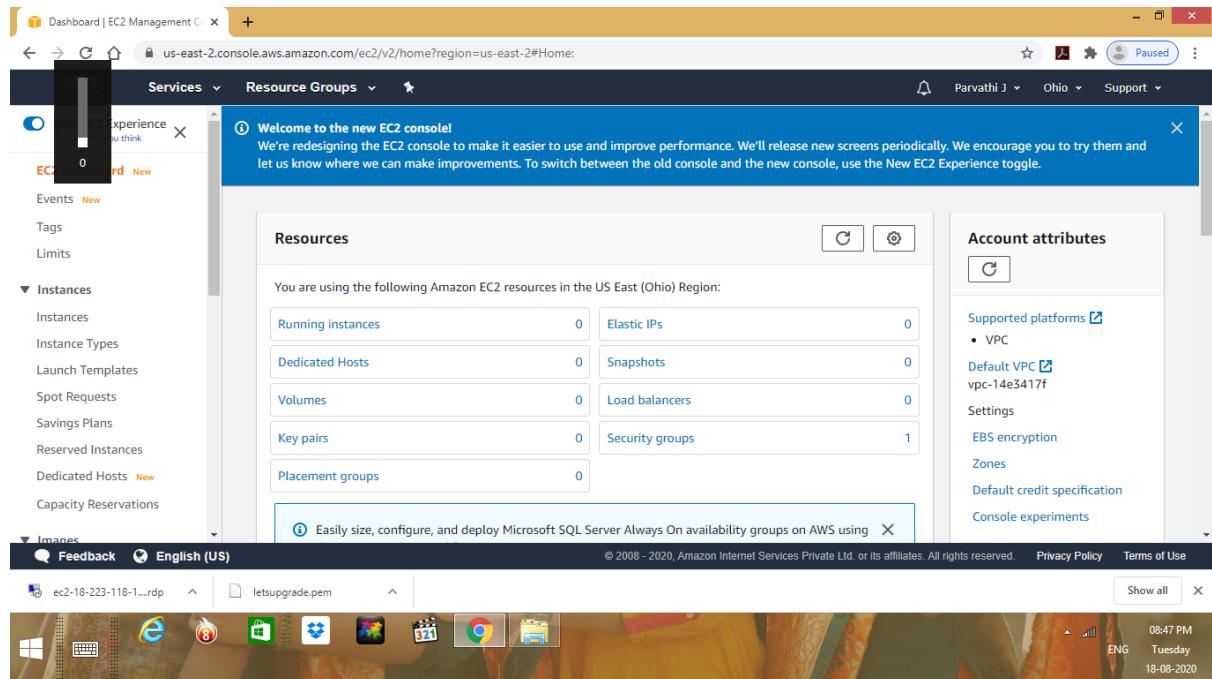
UBUNTU

STEPS:

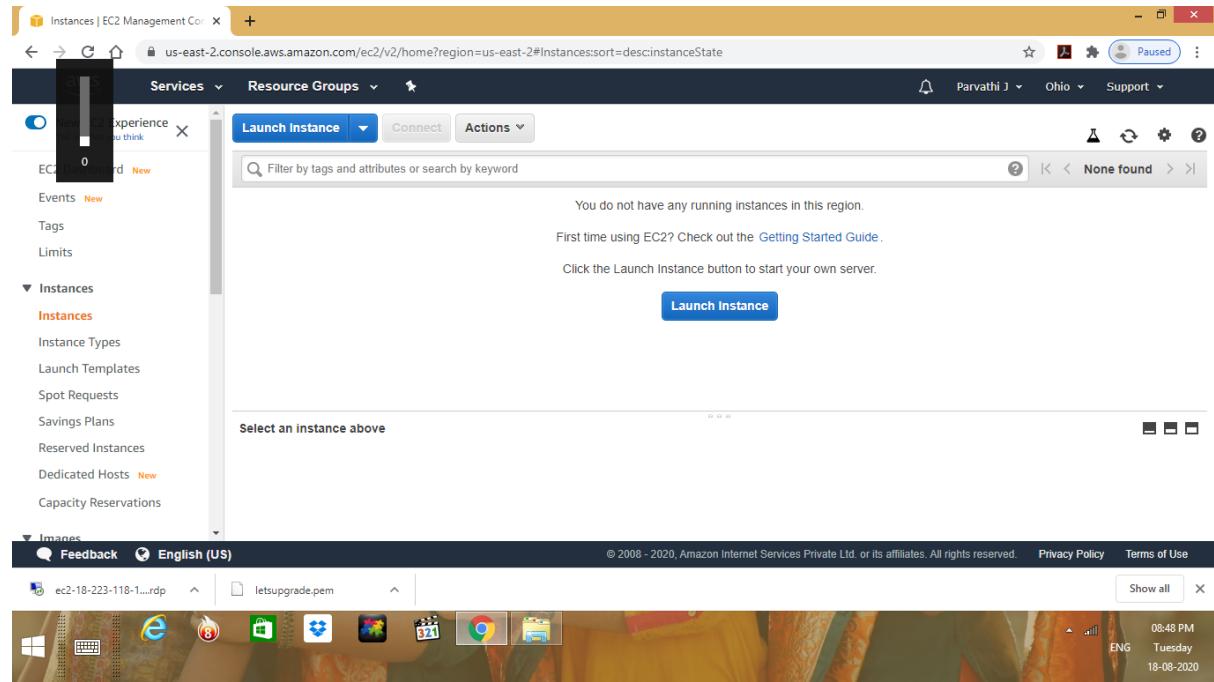
1.OPEN AWS MANAGEMENT CONSOLE

2.CLICK ON EC2

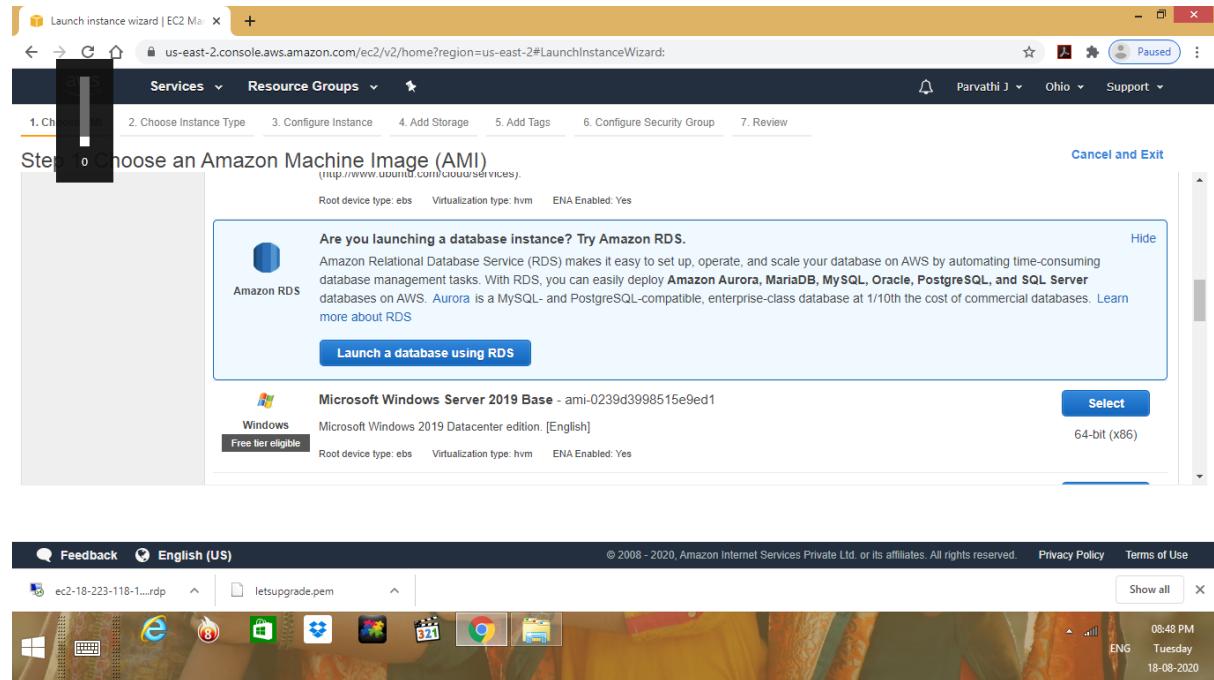
3.ON THE RIGHT SIDEBAR CLICKON INSTANCES



4.CLICK ON LAUNCH INSTANCE



5.SELECT UBUNTU SERVER 16.04 LTS(HVM)



6.SELECT THE GENERAL PURPOSE FAMILY FOR FREE TIER

7.CLICK ON NEXT:CONFIGURE INSTANCE DETAILS

The screenshot shows the 'Choose Instance Type' step of the AWS Launch Instance Wizard. The 't2.micro' instance is selected, highlighted with a blue border. The table lists various instance types with their details like Family, Type, vCPUs, Memory, Instance Storage, EBS-Optimized Availability, Network Performance, and IPv6 Support.

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes

Buttons at the bottom include 'Cancel', 'Previous', 'Review and Launch', and 'Next: Configure Instance Details'.

8.NO CHANGES ARE REQUIRED SO,,CLICK ON NEXT:ADD STORAGE

The screenshot shows the 'Configure Instance Details' step of the AWS Launch Instance Wizard. All fields are set to default or required values:

- Number of Instances:** 1
- Purchasing option:** Request Spot instances (unchecked)
- Network:** vpc-14e3417f (default)
- Subnet:** No preference (default subnet in any Availability Zone)
- Auto-assign Public IP:** Use subnet setting (Enable)
- Placement group:** Add instance to placement group (unchecked)
- Capacity Reservation:** Open
- IAM role:** None

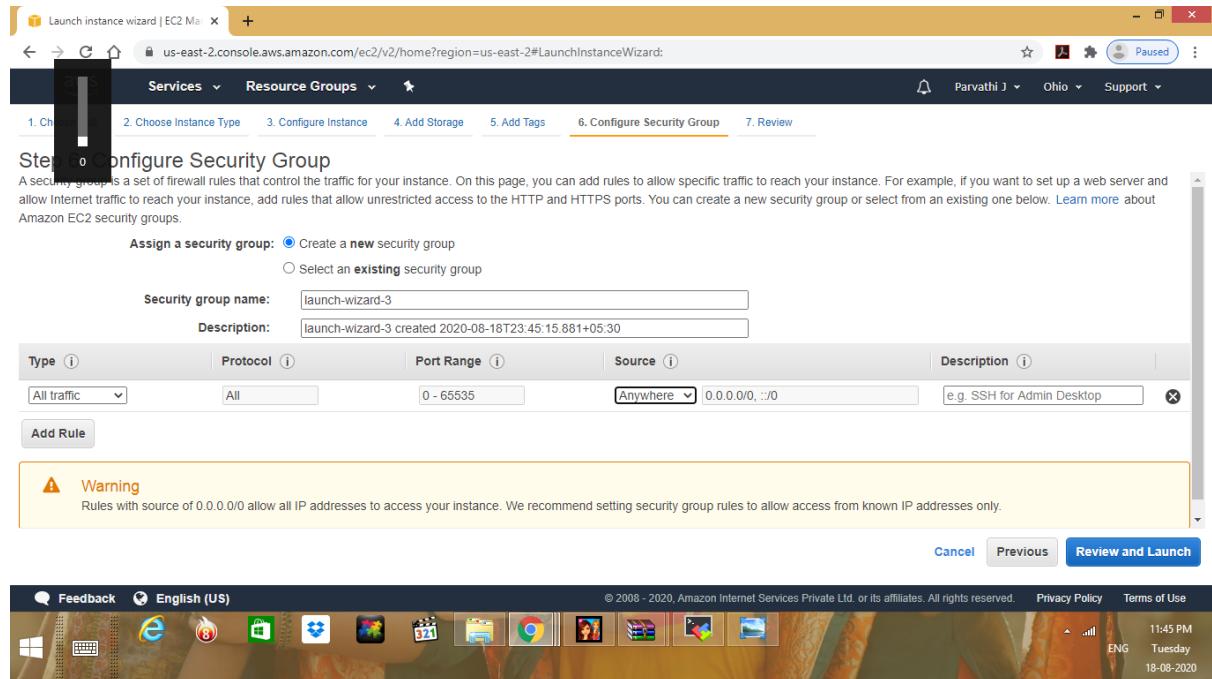
Buttons at the bottom include 'Cancel', 'Previous', 'Review and Launch', and 'Next: Add Storage'.

9.NO CHANGES ARE REQUIREDSO,CLICK ON NEXT:ADD TAGS

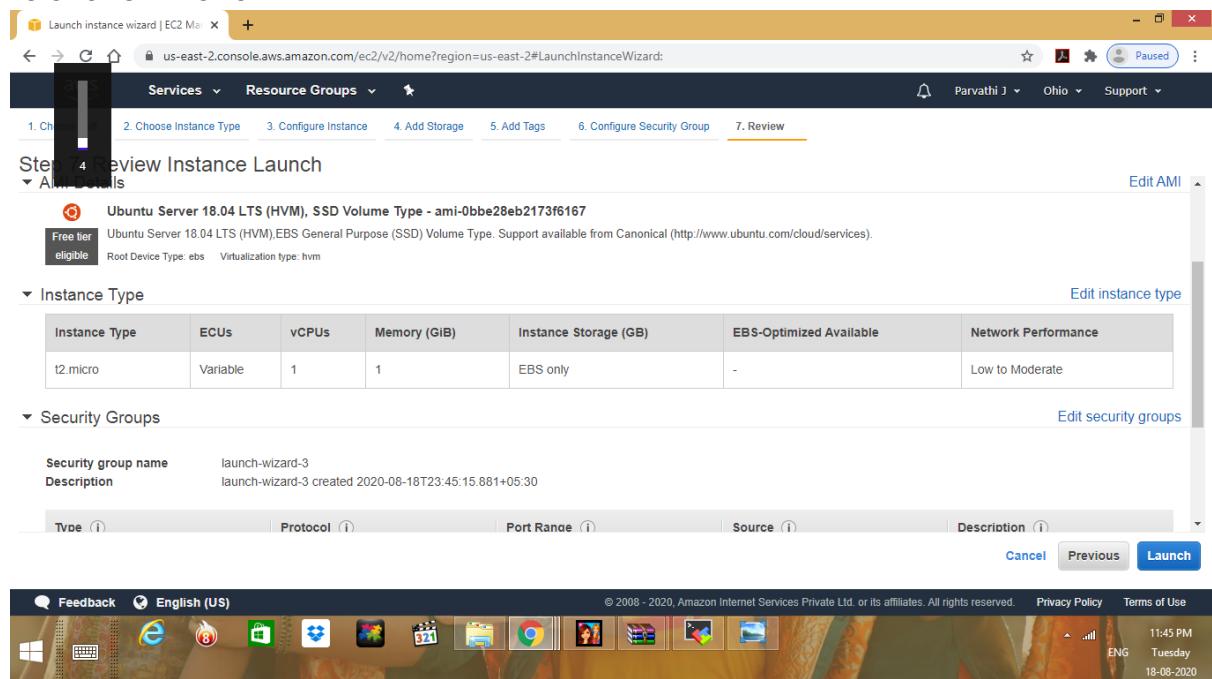
10.IF YOU WANT YOU CAN ADD NAME TAG SUCH AS 'UBUNTU' AND THEN CLICK ON NEXT:CONFIGURE SECURITY GROUPS

11.I THE TYPE DROPODOWN CHANGE TO ALL TRAFFIC AND IN SOURCE SELECT ANYWHERE

12.CLICK ON REVIEW AND LAUNCH



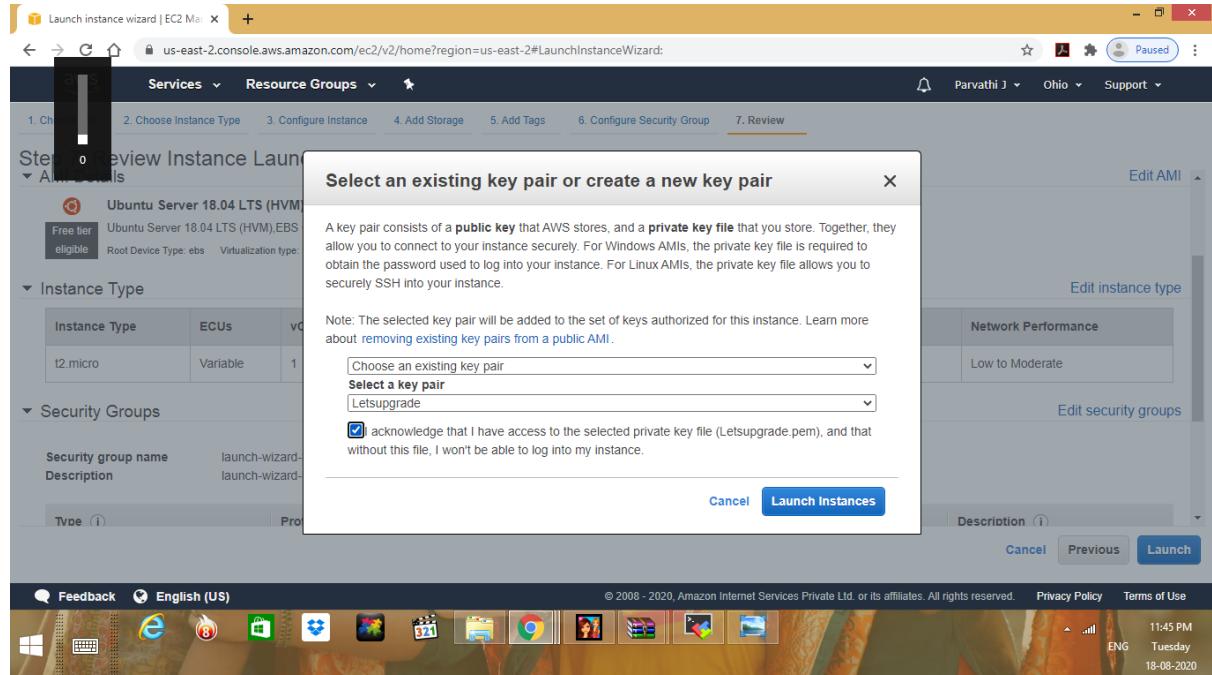
13.CLICK ON LAUNCH



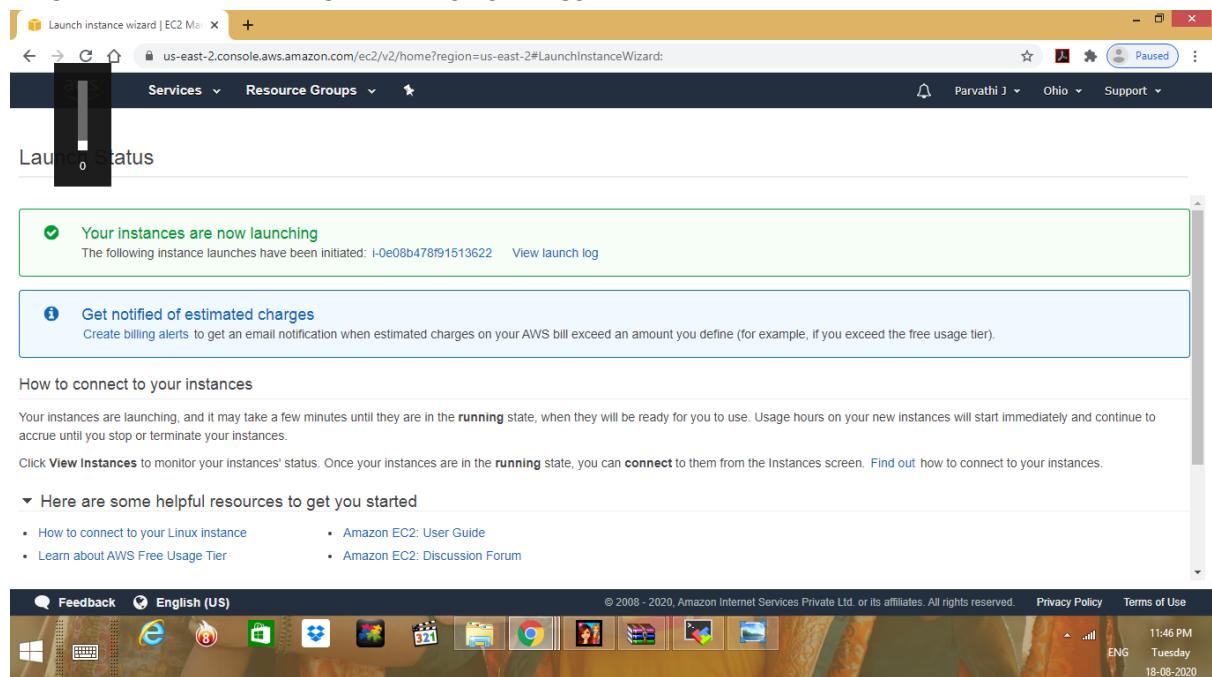
14.YOU CAN CREATE A NEW KEY PAIR OR CAN USE PREVIOUS KEY,FOR USING PREVIOUS KEY SELECT CHOOSEAN EXISTING KEY PAIR

15.CLICK ON I ACKNOWLEDGE...

16.CLICK ON LAUNCH INSTANCES



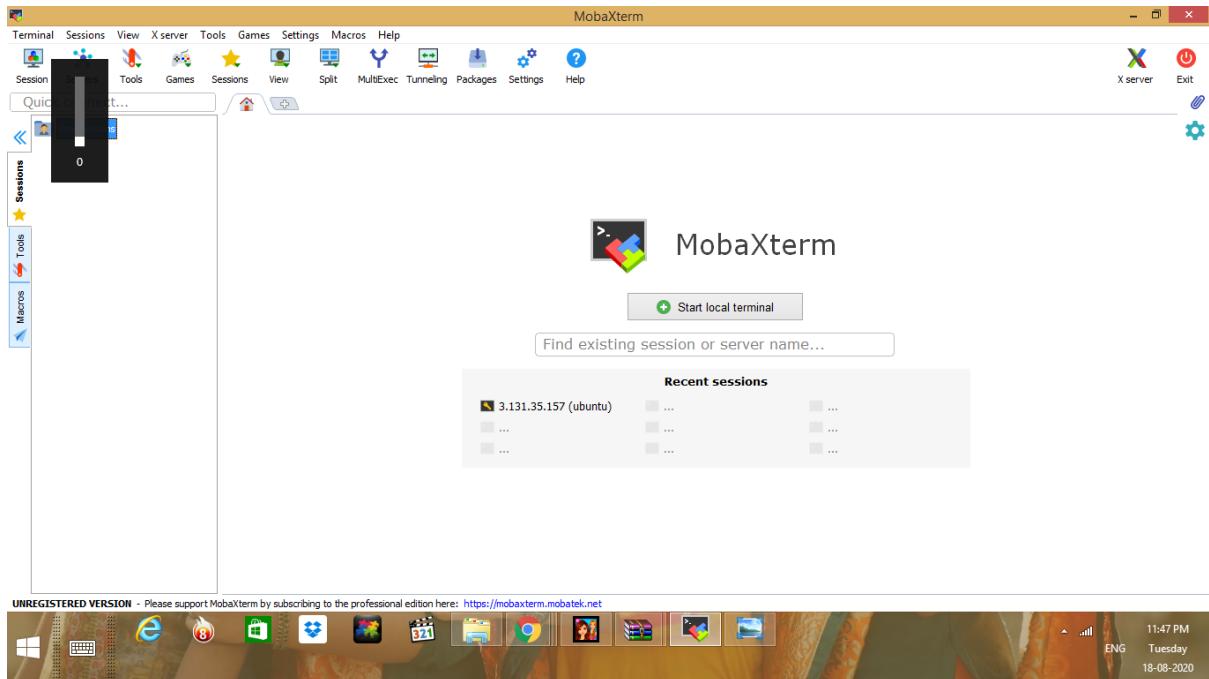
17.OPEN THE LINK NEXT TO VIEW LAUNCH TAGS



18.YOU CAN SEE THE INSTANCE INITIALIZING,LET IT COMPLETE INITIALIZATION

19.DOWNLOAD MOBAXTERM

20. EXTRACT ALL THE FILE AND RUN THE APPLICATIONS

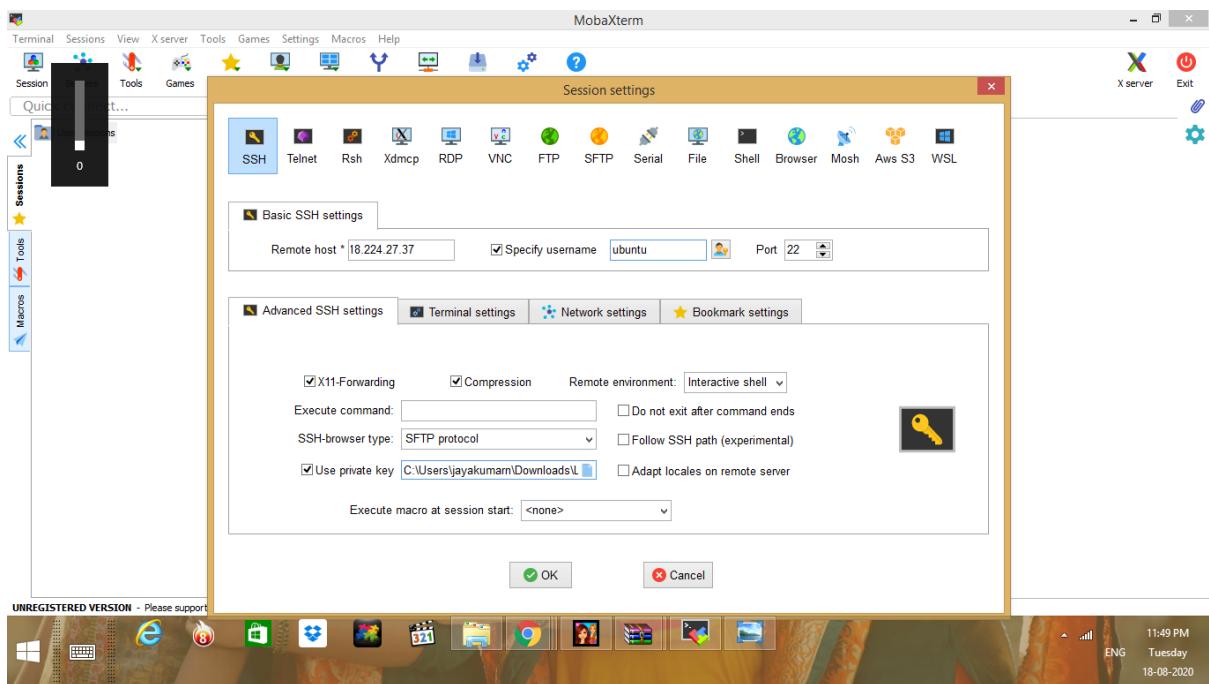


21. CLICK ON SESSION

22. SELECT SSH

23. COPY THE INSTANCE IPV4 ADDRESS AND PASTE IN REMOTE HOST AND GIVE USERNAME AS UBUNTU.

24. CLICK ON ADVANCED SSH SETTINGS CHECK USE PRIVATE KEY AND OPEN THE .PEM FILE AND CLICK OK.



25. UBUNTU INSTANCE WILL OPEN

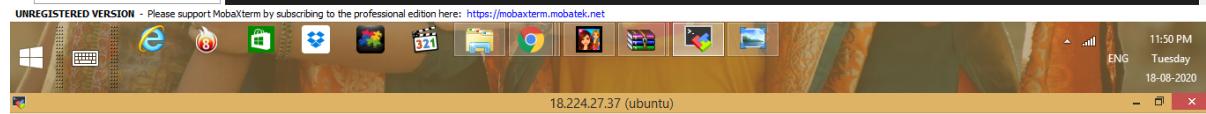
26. WRITE THE FOLLOWING CODE

Sudo apt-get -y update

Sudo apt-get -y install nginx

```
18.224.27.37 (ubuntu)
Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick Start... 3.18.224.27.37 (ubuntu) ↻ ↴
Sessions
Macros Stop Remote monitoring Follow terminal folder
0
/usr/bin/xauth: file /home/ubuntu/.Xauthority does not exist
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-46-128:~$ sudo apt-get -y update
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]
Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages [151 kB]
Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/multiverse Translation-en [108 kB]
Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [1036 kB]
Get:10 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [346 kB]
Get:11 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [85.2 kB]
Get:12 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted Translation-en [18.7 kB]
Get:13 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1109 kB]
Get:14 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [343 kB]
Get:15 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [19.4 kB]
Get:16 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [6740 kB]
Get:17 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [7516 kB]
Get:18 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/main Translation-en [4764 kB]
Get:19 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [7736 kB]
Get:20 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe Translation-en [4588 kB]
Get:21 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [811 kB]
Get:22 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [254 kB]
Get:23 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [692 kB]
Get:24 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [230 kB]
Get:25 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 Packages [8100 kB]
Get:26 http://security.ubuntu.com/ubuntu bionic-security/multiverse Translation-en [2852 kB]
Fetched 19.0 MB in 4s (4335 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-46-128:~$
```



```
18.224.27.37 (ubuntu)
Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick Start... 3.18.224.27.37 (ubuntu) ↻ ↴
Sessions
Macros Stop Remote monitoring Follow terminal folder
100
ubuntu@ip-172-31-46-128:~$ sudo apt-get -y install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
fontconfig-config fonts-dejavu-core libfontconfig1 libjbig2 libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip
libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream libtiff5 libwebp6 libxpm4
linux-common non-root-core
Suggested packages:
libgd-tools fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
fontconfig-config fonts-dejavu-core libfontconfig1 libjbig2 libjpeg8 libjpeg-turbo8 libnginx-mod-http-geoip
libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream libtiff5 libwebp6 libxpm4 nginx
nginx-common nginx-core
0 upgraded, 18 newly installed, 0 to remove and 2 not upgraded.
Need to get 2462 kB of archives.
After this operation, 8210 kB of additional disk space will be used.
Get:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libjpeg-turbo8 amd64 1.5.2-0ubuntu5.18.04.4 [110 kB]
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 fonts-dejavu-core all 2.37-1 [1041 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 fontconfig-config all 2.12.6-0ubuntu2 [55.8 kB]
Get:4 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libfontconfig1 amd64 2.12.6-0ubuntu2 [137 kB]
Get:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libjpeg8 amd64 8c-2ubuntu8 [2194 kB]
Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libjbig2 amd64 2.1-3.iubuid1 [26.7 kB]
Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libtiff5 amd64 4.0.9-Subuntu0.3 [153 kB]
Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libwebp6 amd64 1.0.5-1.12-0.1 [185 kB]
Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libxpm4 amd64 1.0.5-1.12-0.1 [24.0 kB]
Get:10 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libjpeg8 amd64 2.2.5-0ubuntu0.4 [119 kB]
Get:11 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 nginx-common all 1.14.0-0ubuntu1.7 [37.4 kB]
Get:12 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-http-geoip amd64 1.14.0-0ubuntu1.7 [11.2 kB]
Get:13 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-stream amd64 1.14.0-0ubuntu1.7 [4.6 kB]
Get:14 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.14.0-0ubuntu1.7 [13.0 kB]
Get:15 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-mail amd64 1.14.0-0ubuntu1.7 [41.8 kB]
Get:16 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-http-image-filter amd64 1.14.0-0ubuntu1.7 [63.7 kB]
```



27. NOW ON NEW TAB PASTE IPV4 ADDRESS OF THE INSTANCES

28.YOU WILL BE ABLE TO SET NGINX

