Question 1

Step 1 : Choose EC2 Dashboard, and then choose Launch Instance, as shown following.

Step 2 : Choose the Amazon Linux AMI, as shown following.

Step 3 : Choose the t2.micro instance type, as shown following, and then choose Next: Configure Instance Details.

Step 4 : On the Configure Instance Details page, shown following , select the number of instances , network and IAM roles as per need.

Step 5 : Choose Next: Add Storage.

Step 6 : On the Add Storage page, keep the default values and choose Next: Add Tags.

Step 7 : On the Add Tags page, shown following, choose Add Tag, then enter Name for Key and ketavbhatt for Value and Project as second key and Training-PE for Value

Step 8 : Choose Next: Configure Security Group.

Step 9 : Add Security group which allows HTTP and SSH access.

Step 10 : Choose Review and Launch and Launch the instance.

Step 11 : Create a new key pair and download the secret key.

Step 12 : Hence our instance is launched and you can view the instance on the dashboard.

Step 13 : Change permission of your key pair using command
        chmod 400 ./ketavbhatt-PE-training.pem

Step 14 : SSH into your new EC2 instance
        ssh -i ketavbhatt-PE-training.pem ec2-user@52.70.178.148

Step 15 : Elevate your privileges
        sudo su

Step 16 : Update all of the packages on the instance
        yum update -y

Step 17 : Install an apache webserver
        yum install httpd -y

Step 18 : Start the web server
     service httpd start

Step 19 : Configure the web server to restart if it gets stopped
     chkconfig httpd on

Step 20 : To create index.html file
     Navigate to html folder
     cd /var/www/html
     Make html file
     nano index.html
     Open web browser
     <public IP>/index.html

Step 21 : Create a snapshot by navigating to snapshot tab

Step 22 : Chose the instance whose snapshot is to be taken by instance id

Step 23 : To deploy snapshot in another region, copy the snapshot select the region you want to deploy in and press copy button.

Step 24 : Go to the region where you have copied the snapshot and create an image of it and save it.

Step 25 : Launch the AMI instance created using the snapshot.

Step 26 : After launching the AMI instance use the public IP to get the same index.html page.\