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| ***Assignment-7: Hosting a website on EC2***  Procedure:   * First switch on your AWS console      * Now in the search bar search for “EC2”.      * Now click on the first search result “EC2”. Then you will see the following page appears.      * Now click on “Launch Instance”. Then you will see the following page appears.      * Now enter a name of the server. Here we are using “debojitEC2” as the name.      * Now scroll down and select “ubuntu”.      * Now scroll down in place of Key Pair select “Create new Key pair”.      * Now enter a key pair name [Here: “debokey”]. Select key pair type as RSA. Then select private key file format as “.pem”. Then click on “Create Key Pair”.      * Then you will see the key pair got downloaded.      * Now in “Network Settings” select create security group checkbox and select all the check box below it as shown in the screenshot. Then click on “Launch Instance”      * Then you will see a message appears showing the instance has been launched.      * Now go back to the instance page      * Now click on the instance ID then you will see the following page appears.      * Now open the bitwise ssl client application      * Now in host enter the IP address, then in username use “ubuntu”, then in initial method select public-key.      * Click on “Client Key Manager”. Then the following window appears.      * Then click on Import and import the key that was generated. * A pop up appears click on “Import”      * Then you will see the key got imported.      * Now click on “Log In”      * Then a pop-up appears click on “Accept and Save”      * Again, a pop-up appears select the client-key as “Global 1” and click on “OK”. * Now click on “New terminal console”      * Then the following window will appear.      * Now use command: “sudo apt-get update” to update the files present.      * Then use command: “sudo apt-get upgrade” to upgrade the files.      * Then you will see a pop-up appears then click on “OK” and hit enter.      * Then you will see the following gets completed.      * Now use command: “sudo apt-get install nginx” to install nginx server.      * Then a pop-up will appear then click on OK.      * Then use command: “nginx -v” to check the version of the nginx server.      * Now click on “New SFTP Window”      * Then you will see a window opens. In that search and open the folder where your website is present as shown in the screenshot.      * Now open the terminal and use command: “cd /” to move to the root directory.      * Now use command: “cd /var/www/”. Then use command “ls -l” to view the files along with their permissions.      * Now use command: “sudo chmod 777 html” to give all permissions to the directory. Then use “ls-l” command to check it.      * Now again open the sftp window and open the directory “/var/www/html” in ubuntu.      * Now move all the html files into the ubuntu directory.      * Now open the public IP address on your browser you will see the webpage appearing. |