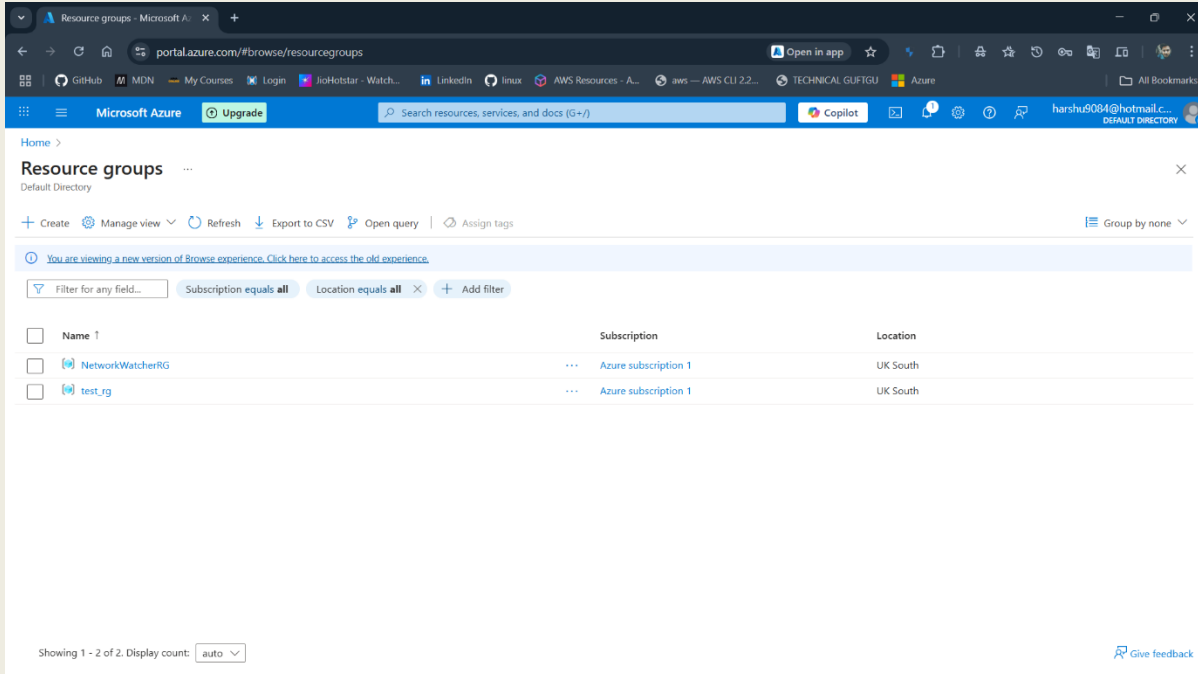


Assignment 01: - Hosting Website on ubuntu

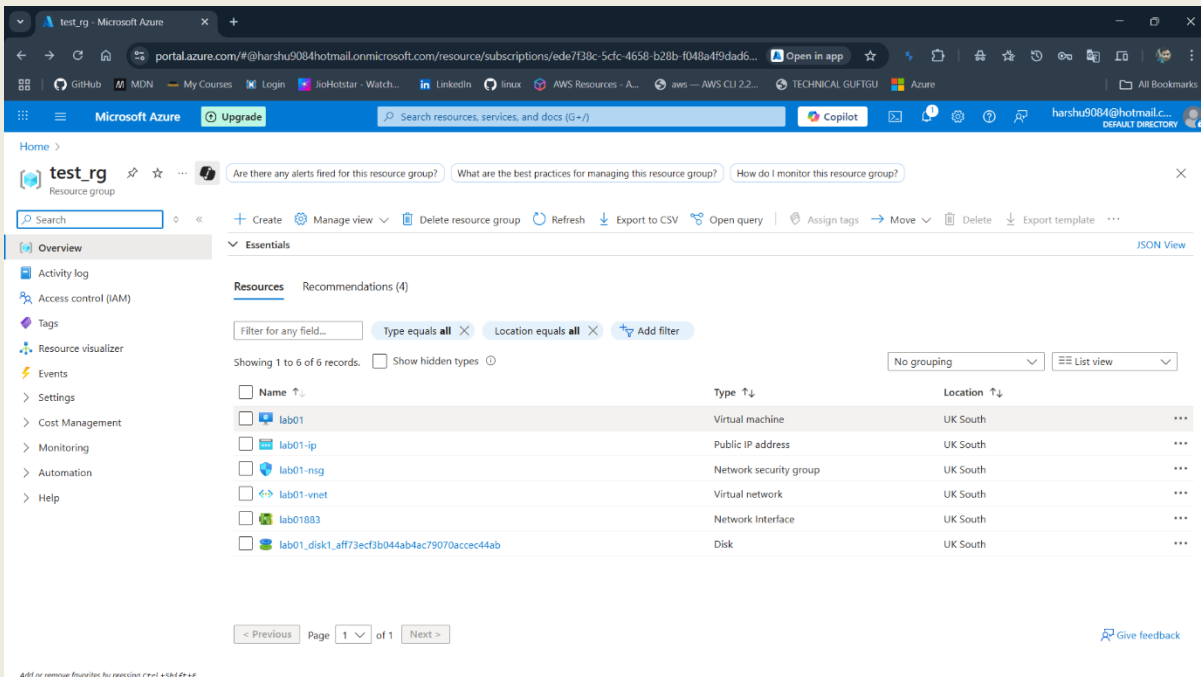
1. Create Resource Group Named: - **test_rg**



The screenshot shows the 'Resource groups' page in the Microsoft Azure portal. The page title is 'Resource groups' and it shows a list of resource groups. The table below shows the details of the resource groups.

Name	Subscription	Location
NetworkWatcherRG	Azure subscription 1	UK South
test_rg	Azure subscription 1	UK South

2. Now Create Virtual Machine In this Resource Group: - Machine Named **lab01**



The screenshot shows the 'test_rg' resource group page in the Microsoft Azure portal. The 'Resources' tab is selected, displaying a list of resources. The table below shows the details of the resources.

Name	Type	Location
lab01	Virtual machine	UK South
lab01-ip	Public IP address	UK South
lab01-nsg	Network security group	UK South
lab01-vnet	Virtual network	UK South
lab01883	Network Interface	UK South
lab01_disk1_affe73ecf3b044ab4ac79070accec44ab	Disk	UK South

3. Connect Vm Machine Via PowerShell using code: - **ssh username@ip-address**

ssh admin123@51.132.177.123

```
admin123@lab01: ~
PowerShell 7.5.2
PS C:\Users\pande> ssh admin123@51.132.177.123^C
PS C:\Users\pande> ssh admin123@51.132.177.123
admin123@51.132.177.123's password:
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-1031-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Aug 5 12:45:23 UTC 2025

System load:  0.01               Processes:    120
Usage of /:   6.4% of 28.89GB    Users logged in: 0
Memory usage: 3%                IPv4 address for eth0: 10.0.0.4
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

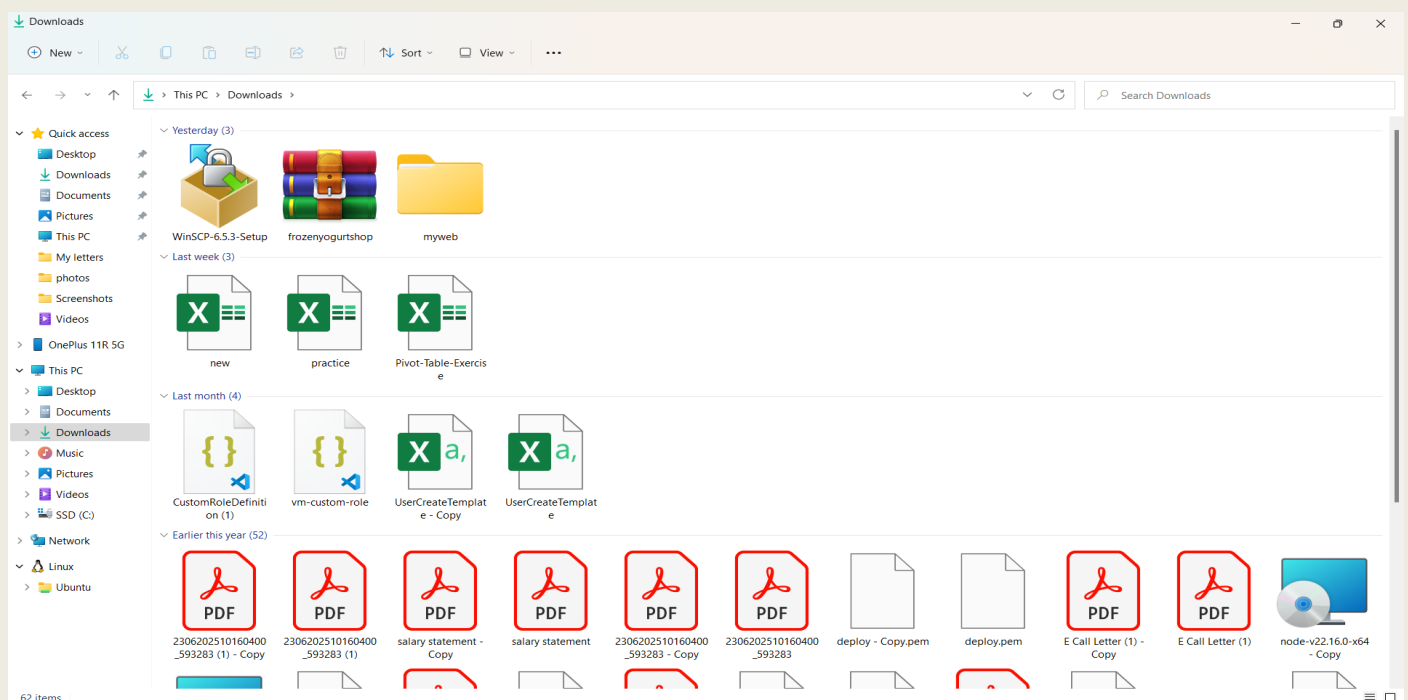
3 updates can be applied immediately.
3 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

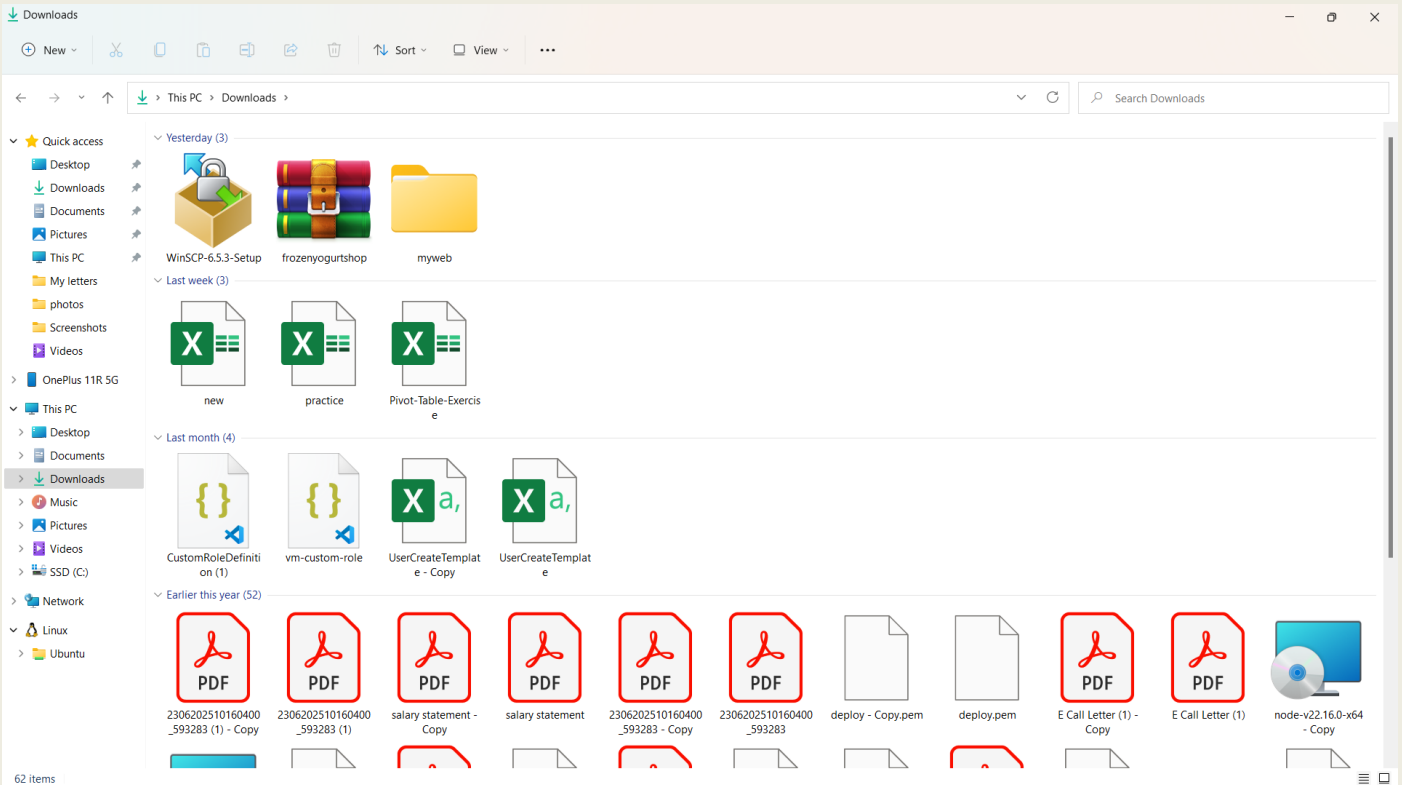
New release '24.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Mon Aug 4 17:41:22 2025 from 157.49.44.31
admin123@lab01:~$
```

4. Download one Template website named that folder: - **myweb**



5. Also Download WindSCP :-



Role Of WinSCP: - **WinSCP** is a tool used to **securely transfer files** between a local computer and a remote server using protocols like **SFTP, SCP, or FTP**.

6. Update Server Packages:- sudo apt update

```
admin123@lab01: ~
PowerShell 7.5.2
PS C:\Users\pande> ssh admin123@51.132.177.123
PS C:\Users\pande> ssh admin123@51.132.177.123
admin123@51.132.177.123's password:
Welcome to Ubuntu 22.04.5 LTS (GNU/Linux 6.8.0-1031-azure x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Aug 5 12:45:23 UTC 2025

System load:  0.01          Processes:      120
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Expanded Security Maintenance for Applications is not enabled.

3 updates can be applied immediately.
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To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

New release '24.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Mon Aug 4 17:41:22 2025 from 157.49.44.31
admin123@lab01:~$ sudo apt update
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:5 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2802 kB]
Get:6 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [443 kB]
Get:7 http://azure.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1226 kB]
Fetched 4855 kB in 2s (2658 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
3 packages can be upgraded. Run 'apt list --upgradable' to see them.
admin123@lab01:~$
```

7. Install nginx: - sudo apt install nginx and check status service nginx status

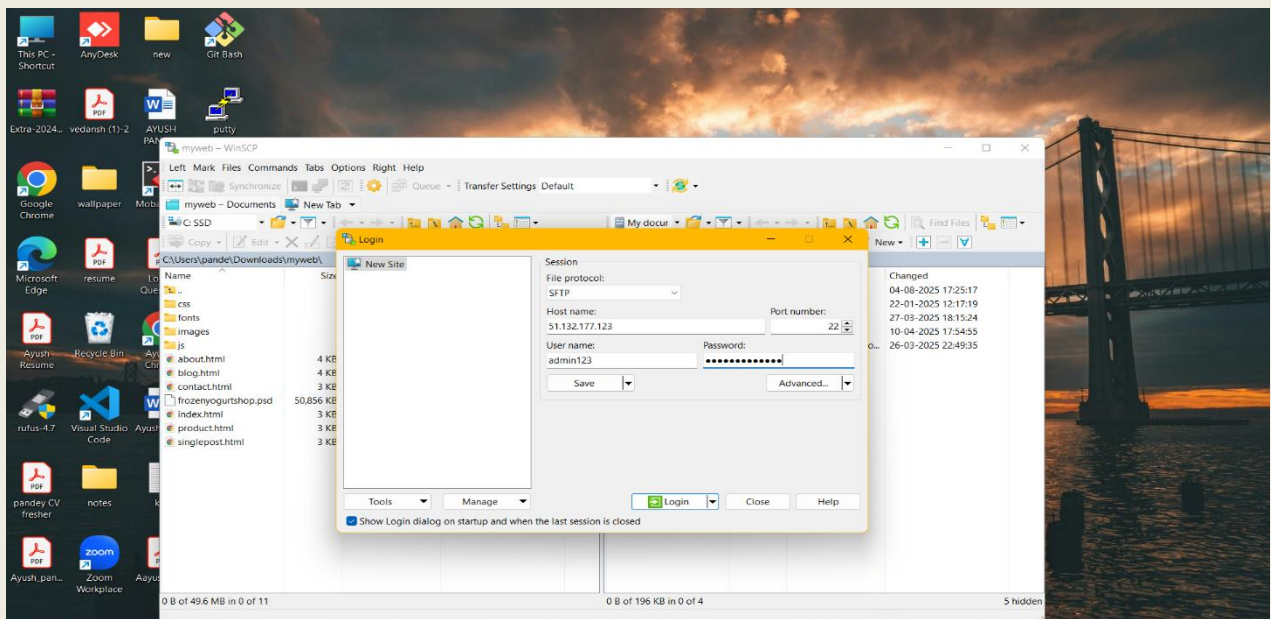
```
admin123@lab01: ~  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
New release '24.04.2 LTS' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Last login: Mon Aug 4 17:41:22 2025 from 157.49.44.31  
admin123@lab01:~$ sudo apt update  
Hit:1 http://azure.archive.ubuntu.com/ubuntu jammy InRelease  
Get:2 http://azure.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]  
Get:3 http://azure.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]  
Get:4 http://azure.archive.ubuntu.com/ubuntu jammy-security InRelease [129 kB]  
Get:5 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2802 kB]  
Get:6 http://azure.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [443 kB]  
Get:7 http://azure.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1226 kB]  
Fetched 4855 kB in 2s (2658 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
3 packages can be upgraded. Run 'apt list --upgradable' to see them.  
admin123@lab01:~$ sudo apt install nginx  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
nginx is already the newest version (1.18.0-6ubuntu14.6).  
0 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.  
admin123@lab01:~$ service nginx status  
● nginx.service - A high performance web server and a reverse proxy server  
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)  
   Active: active (running) since Tue 2025-08-05 12:34:43 UTC; 22min ago  
     Docs: man:nginx(8)  
   Process: 681 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master process on; (code=exited, status=0/SUCCESS)  
   Process: 719 ExecStart=/usr/sbin/nginx -g daemon on; master process on; (code=exited, status=0/SUCCESS)  
   Main PID: 724 (nginx)  
     Tasks: 3 (limit: 9523)  
    Memory: 11.5M  
       CPU: 66ms  
   CGroup: /system.slice/nginx.service  
           └─724 "nginx: master process /usr/sbin/nginx -g daemon on; master process on;"  
             └─725 "nginx: worker process" ──┐  
               └─726 "nginx: worker process" ─┘  
  
Aug 05 12:34:42 lab01 systemd[1]: Starting A high performance web server and a reverse proxy server...  
Aug 05 12:34:43 lab01 systemd[1]: Started A high performance web server and a reverse proxy server.  
admin123@lab01:~$
```

8. Check on Browser Server is Working or Not using IP Address.

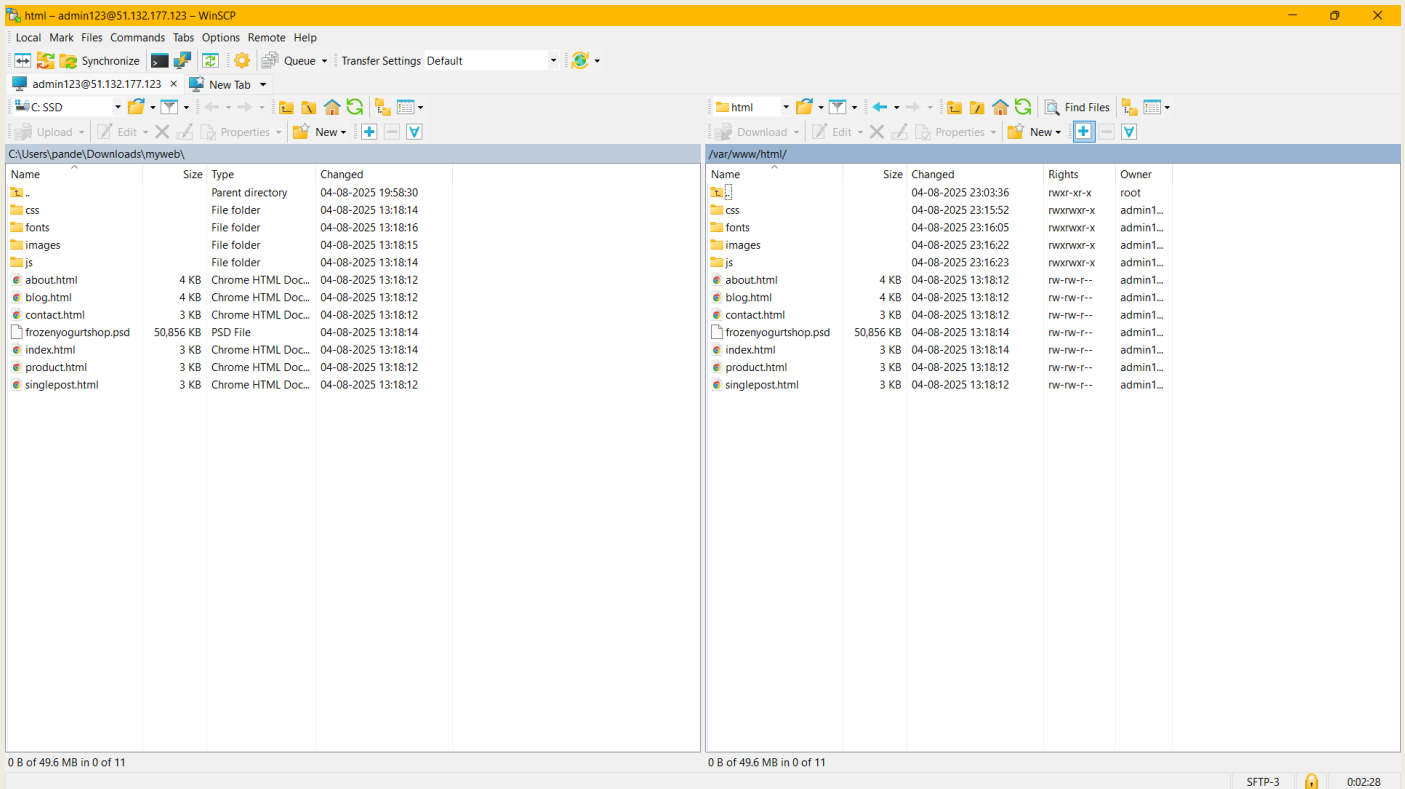
Server Is working. Now Upload Website On The Server.

9. Open WinSCP to Transfer the source code of the website to the ubuntu server: -

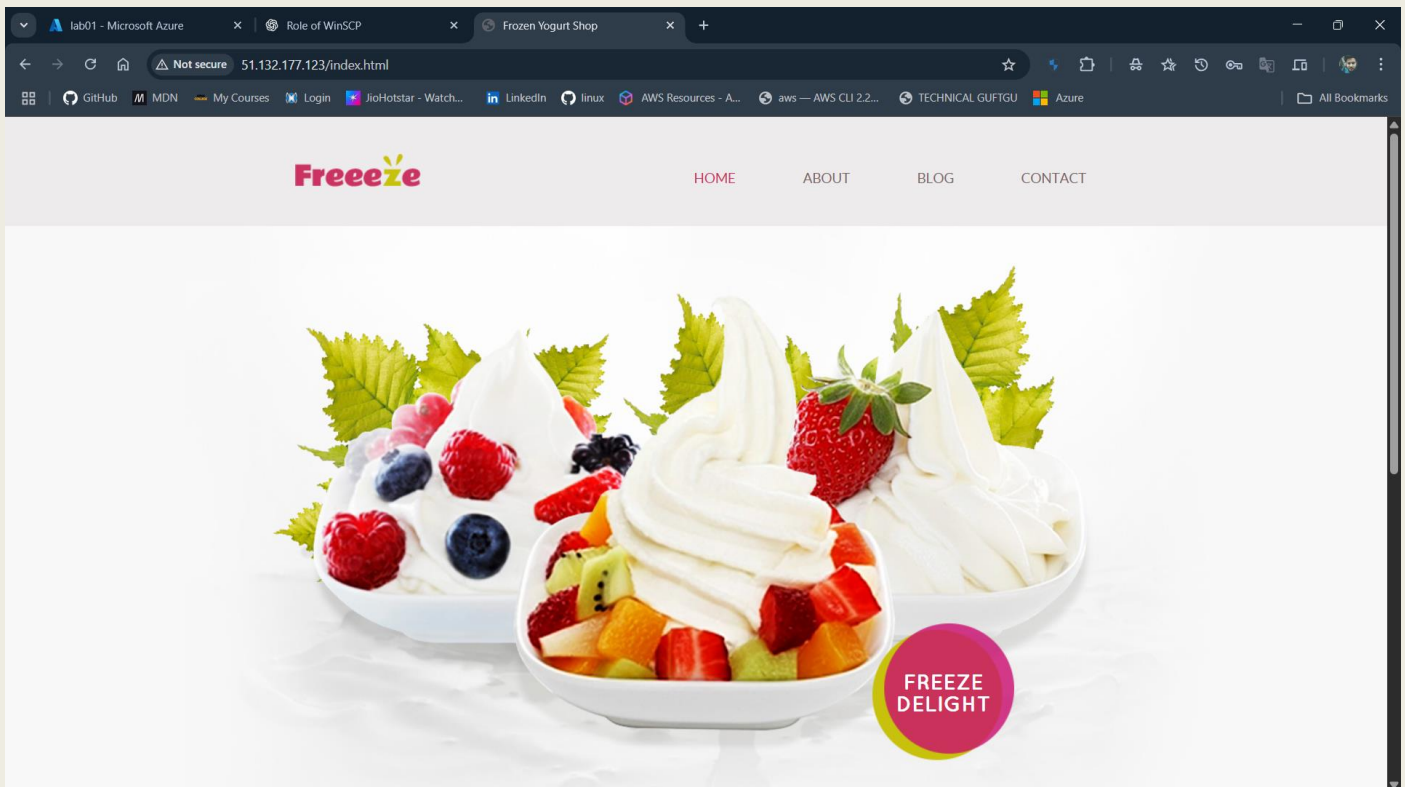
- To Enter in WinSCP we must login through server login Id Password
-



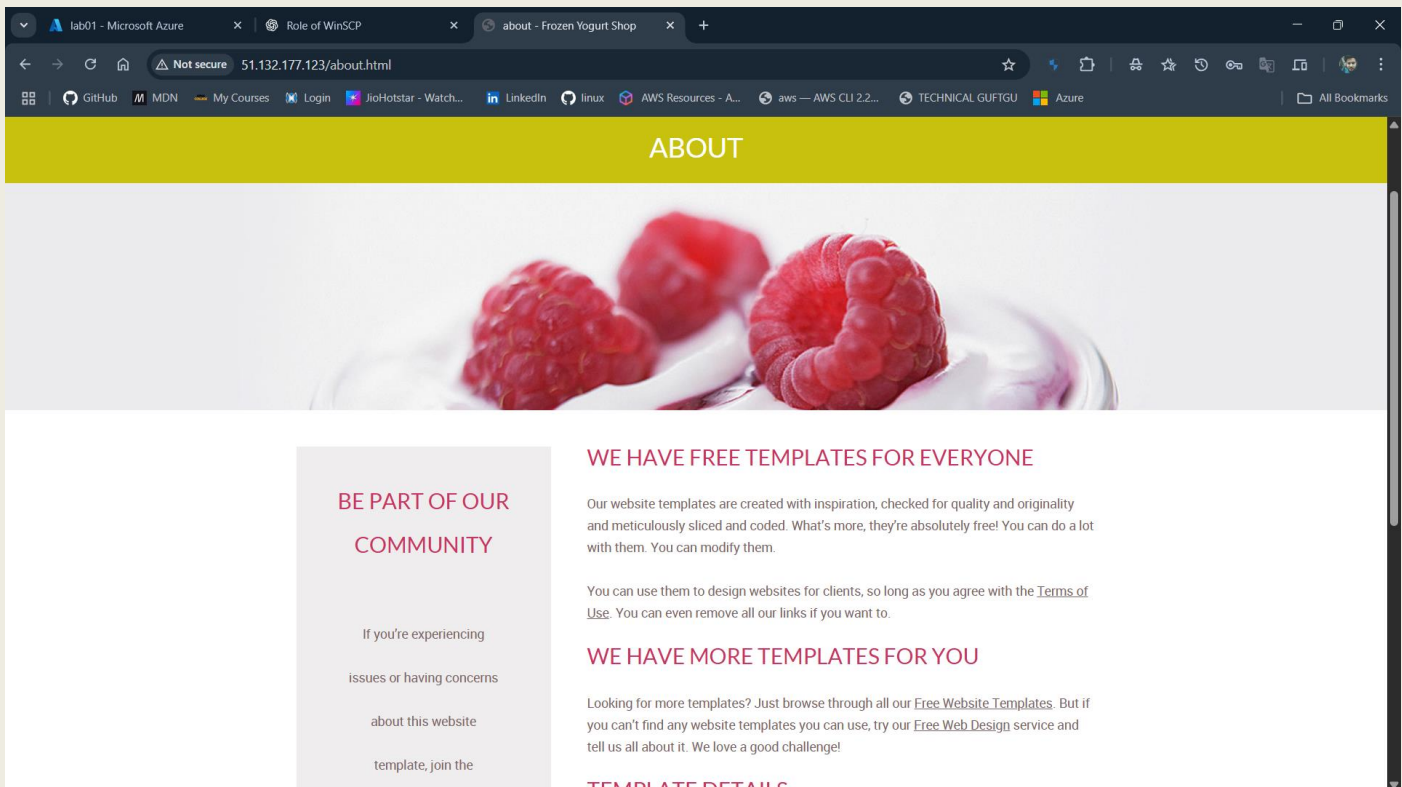
- After Login left side is your local machine And Right is your server. Goto server path **/var/www/html**. And paste all the source code their using drag and drop.



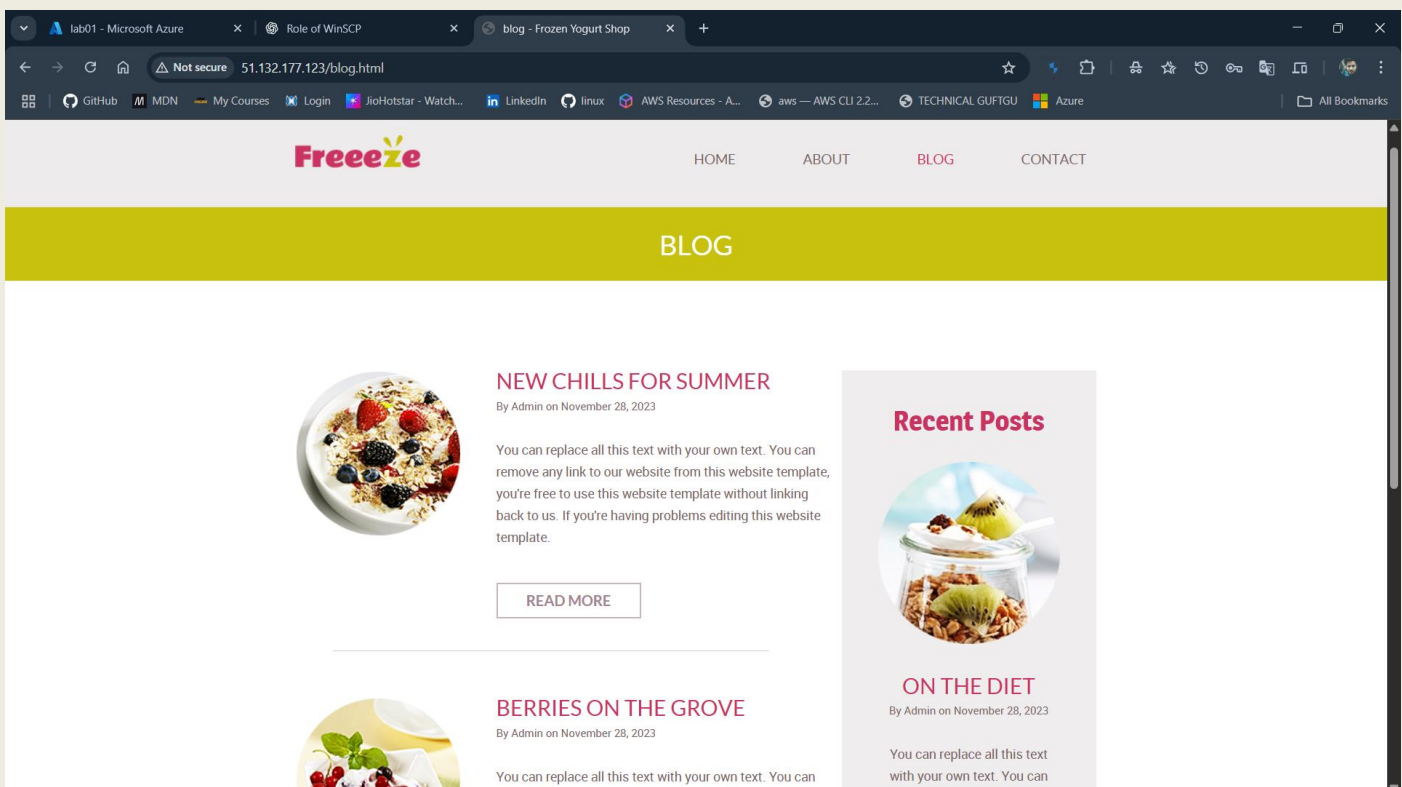
9. After this Step Goto Browser and Check Website is Uploaded.



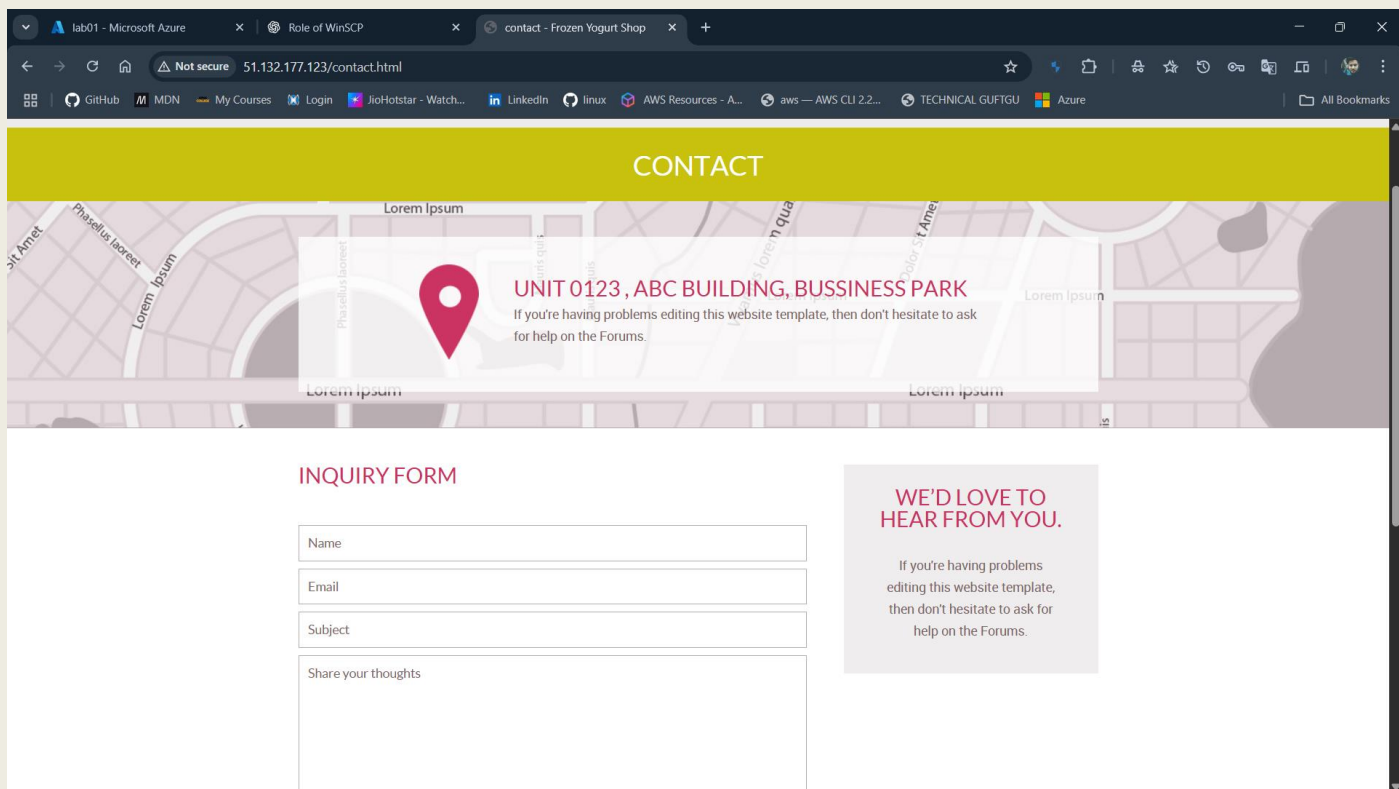
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Website is Hosted on the ubuntu server

Submitted By :- AYUSH PANDEY

BATCH AZ 900+104

Thank You
Sir