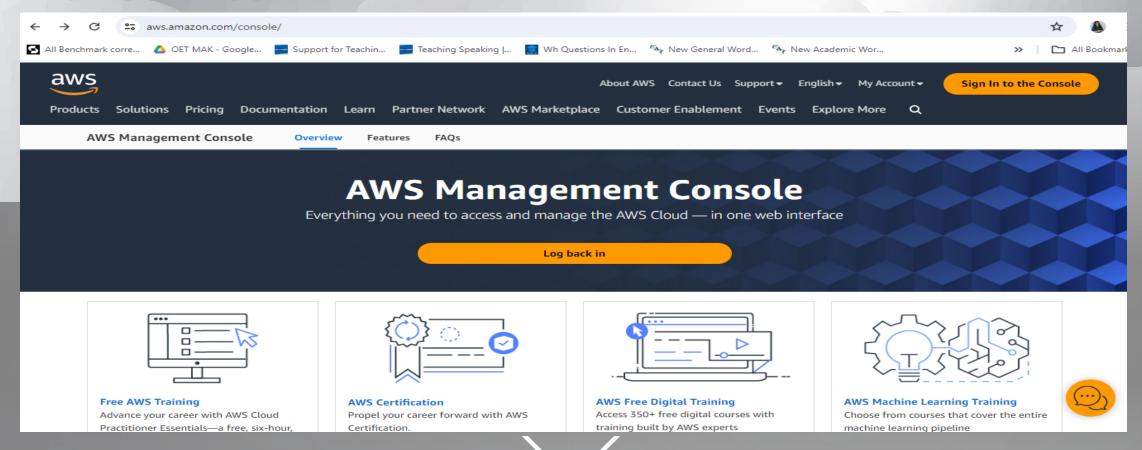
## Cloud (AWS) Week - 1 Task

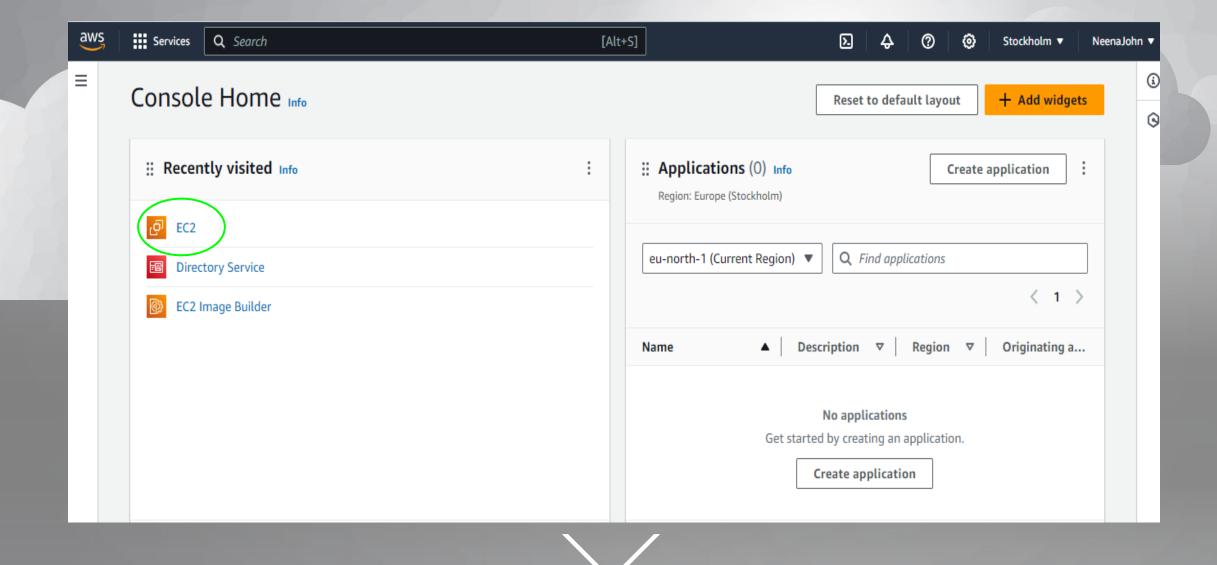
Deploy an application in monolithic and microservices architecture using AWS

Neena Babu John

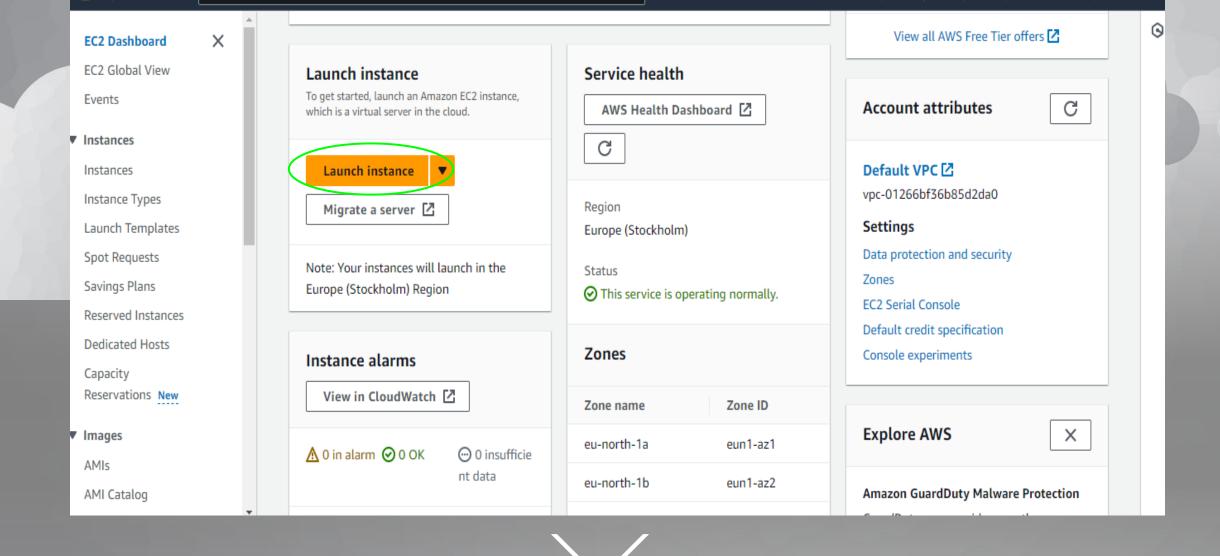
#### Deploy an application in monolithic architecture



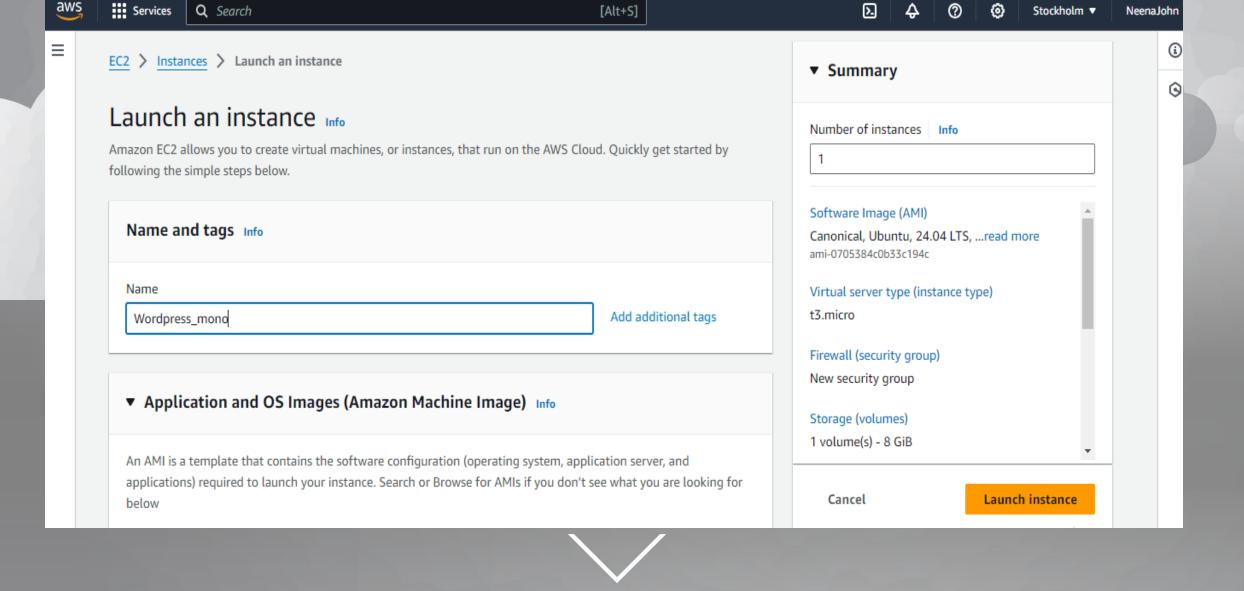
1. Sign in to AWS Management Console.



2. Sign in as root user and either search for EC2 in the 'Search' field or click on it directly from 'Recently visited'. Click on EC2 to view the EC2 dashboard.



## 3. Click on the 'Launch instance' option to create an instance.



## 4. Give your instance a name and then choose the AMI (Ubuntu as required).

# Key pair name Key pair sallow you to connect to your instance securely. Enter key pair name The name can include up to 255 ASCII characters. It can't include leading or trailing spaces. Key pair type RSA RSA encrypted private and public key pair DED25519 ED25519 encrypted private and public key pair

Private key file format

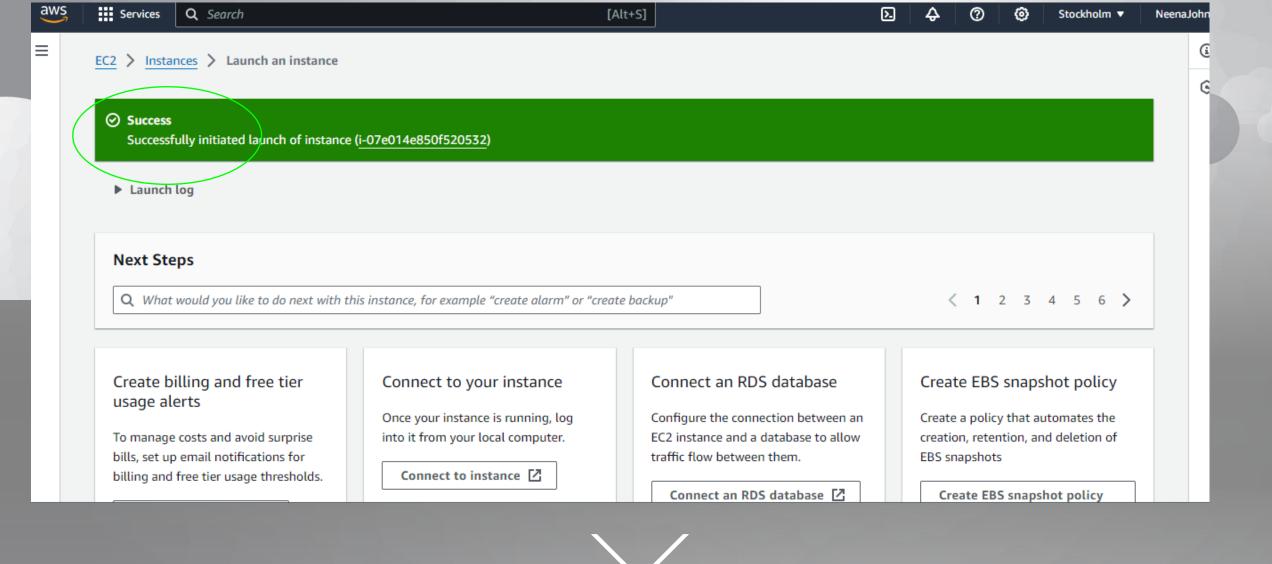
pem
 For use with OpenSSH

.ppk
 For use with PuTTY

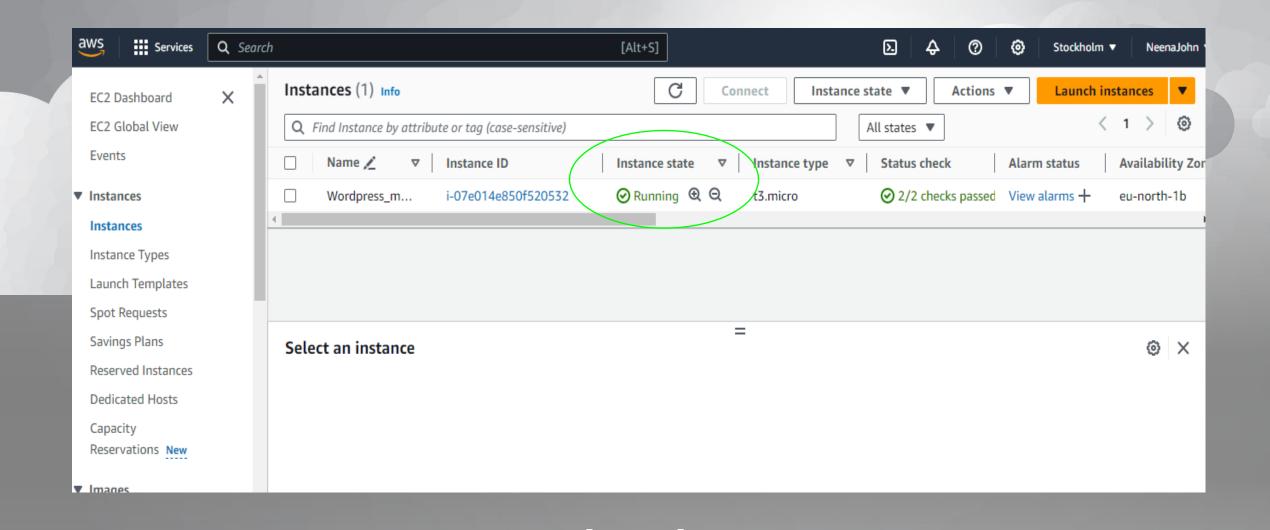
Cancel

Create key pair

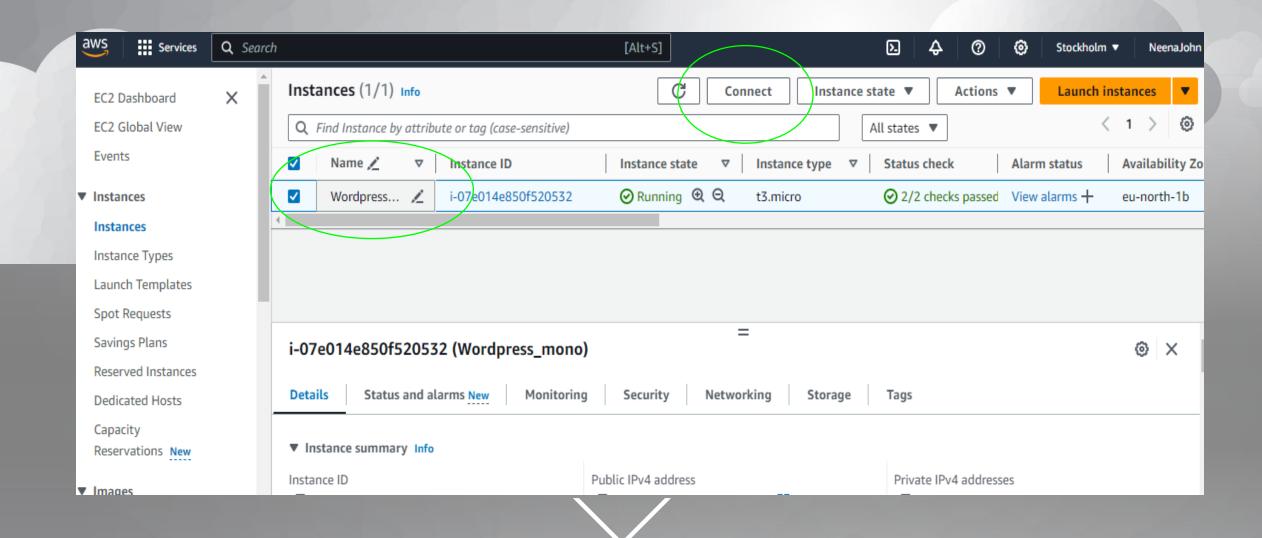
5. Create a key pair and keep the file saved in a known path.



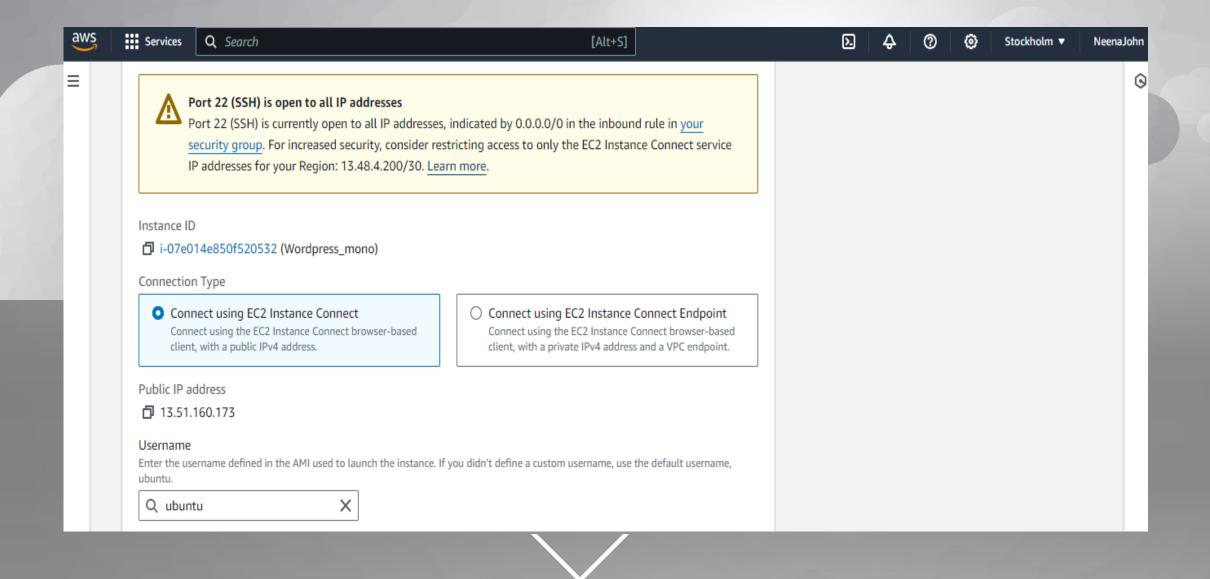
6. Once the key is created, keep the security group to default and click on Launch instance. This creates the instance successfully.



7. Return to Instances and view the status of the instance which changes from PENDING to RUNNING. The status check also shows that 2 checks have been passed.



8. Select the instance and click on Connect.



#### 9. Continue to connect using EC2 Instance connect

```
set:zl nttp://eu-nortn-1.ecz.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-1 Metadata [116 B]
Get:22 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:23 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [3936 B]
Get:24 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu_noble-backports/universe_Translation-en [1392 B]
et:21 nttp://eu-nortn-1.ec2.arcnive.upuntu.com/upuntu nop1e-upqates/multiverse amq64 c-n-1 metaqata [116 b]
et:22 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
et:23 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [3936 B]
et:24 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [1392 B]
et:25 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [116 B]
et:26 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
et:27 http://eu-north-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
set:28 http://security.ubuntu.com/ubuntu noble-security InRelease [89.7 kB]
et:29 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [22.5 kB]
et:30 http://security.ubuntu.com/ubuntu moble-security/main Translation-en [6880 B]
et:31 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [9256 B]
et:32 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [4060 B]
et:33 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]
et:34 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]
Fetched 28.3 MB in 6s (4638 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.
```

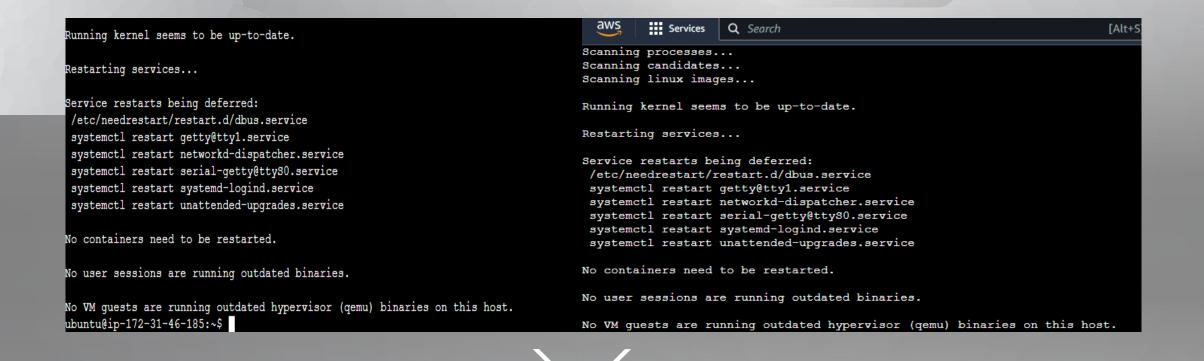
10. Then use the 'sudo apt update' command to get the updated list of available packages and their versions stored in the system's package index.

```
update-alternatives: using /var/lib/mecab/dic/ipadic-utio to provide /var/lib/mecab/dic/debian
Setting up libhtml-parser-perl:amd64 (3.81-1build3) ...
Setting up libhttp-message-perl (6.45-1ubuntu1) ...
Setting up mysgl-server (8.0.36-2ubuntu3) ...
Setting up libcgi-pm-perl (4.63-1) ...
Setting up libhtml-template-perl (2.97-2) ...
Setting up libcgi-fast-perl (1:2.17-1) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-Oubuntu8) ...
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM quests are running outdated hypervisor (gemu) binaries on this host.
ubuntu@ip-172-31-46-185:~$
```

# 10. Then run the 'sudo apt install mysql-server' command to install mysql server.

aws Services Q Search [Alt+S] By default, MySQL comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed before moving into a production environment. Remove test database and access to it? (Press y|Y for Yes, any other key for No) : Y - Dropping test database... Success. - Removing privileges on test database... Success. Reloading the privilege tables will ensure that all changes made so far will take effect immediately. Reload privilege tables now? (Press y|Y for Yes, any other key for No) : Y Success. All done! ubuntu@ip-172-31-46-185:~\$

#### 11. Set a root password for MySQL and secure the database.



12. Install Apache server by running the command 'sudo apt install apache2' and required PHP module via 'sudo apt install php libapache2-mod-php php-mysql' command Restart Apache server by running the command and 'sudo systemctl restart apache2'.

```
Wordpress/wp-admin/s/auth-app.s
wordpress/wp-admin/js/code-editor.js
wordpress/wp-admin/js/common.js
wordpress/wp-admin/js/set-post-thumbnail.min.js
wordpress/wp-admin/js/postbox.min.js
wordpress/wp-admin/js/color-picker.js
wordpress/wp-admin/js/password-strength-meter.js
wordpress/wp-admin/js/customize-nav-menus.js
wordpress/wp-admin/js/editor-expand.js
wordpress/wp-admin/js/code-editor.min.js
wordpress/wp-admin/js/set-post-thumbnail.js
wordpress/wp-admin/options-permalink.php
wordpress/wp-admin/widgets.php
wordpress/wp-admin/setup-config.php
wordpress/wp-admin/install.php
wordpress/wp-admin/admin-header.php
wordpress/wp-admin/post-new.php
wordpress/wp-admin/themes.php
wordpress/wp-admin/options-reading.php
wordpress/wp-trackback.php
wordpress/wp-comments-post.php
```

#### 13. Install wordpress by first going to its directory

cd /var/www/html and then download the latest wordpress version via 'sudo wget https://wordpress.org/latest.tar.gz' command and then downloading its archive and finally, set permissions.

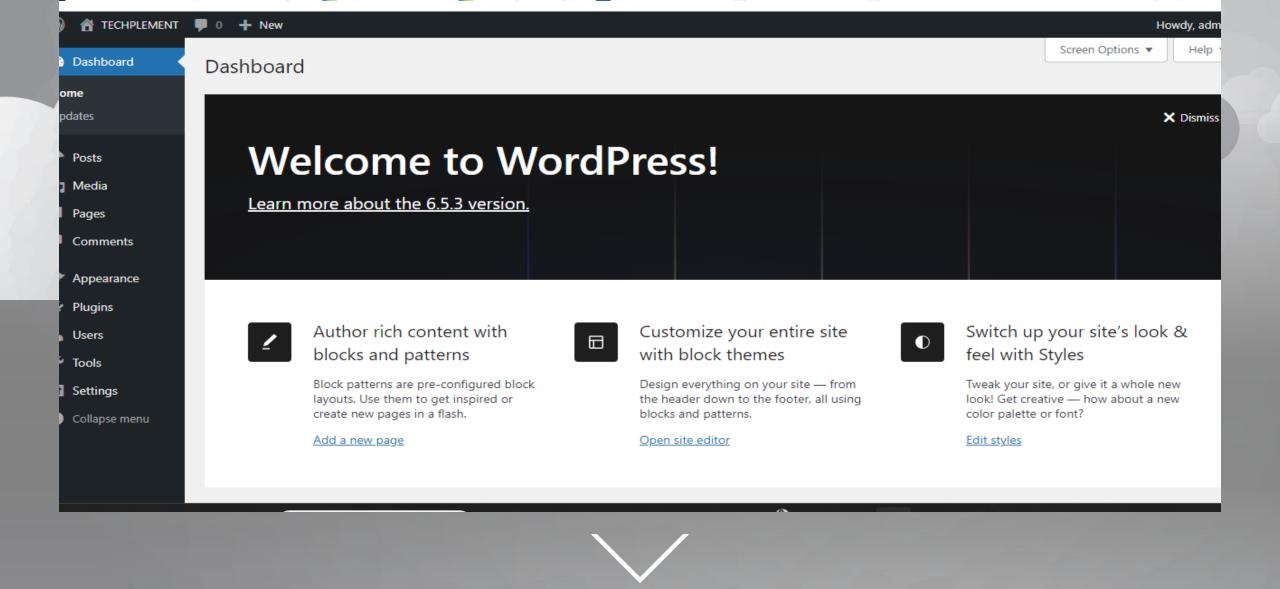




chmark corre... 🔥 OET MAK - Google... 🚾 Support for Teachin... 🔤 Teaching Speaking |... 🧱 Wh Questions In En... 🍕 New General Word... 🔩 New Academic Wor...



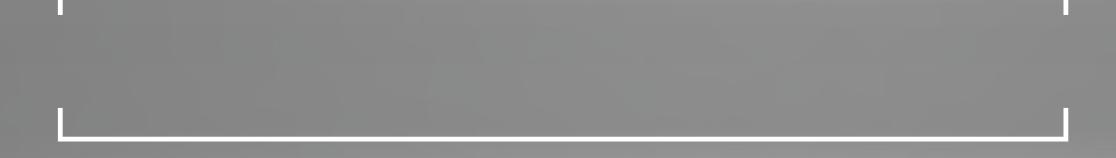
Database Name	wordpress
	The name of the database you want to use with WordPress.
Username	wpadmin
	Your database username.
Password	Techplement@1
	Your database password.
Database Host	localhost
	You should be able to get this info from your web host, if localhost does not work.



Final output

all-and-configure-a-mysql-server

### 3.https://www.youtube.com/watch?v= 5rlCUXjVaHE



Final output