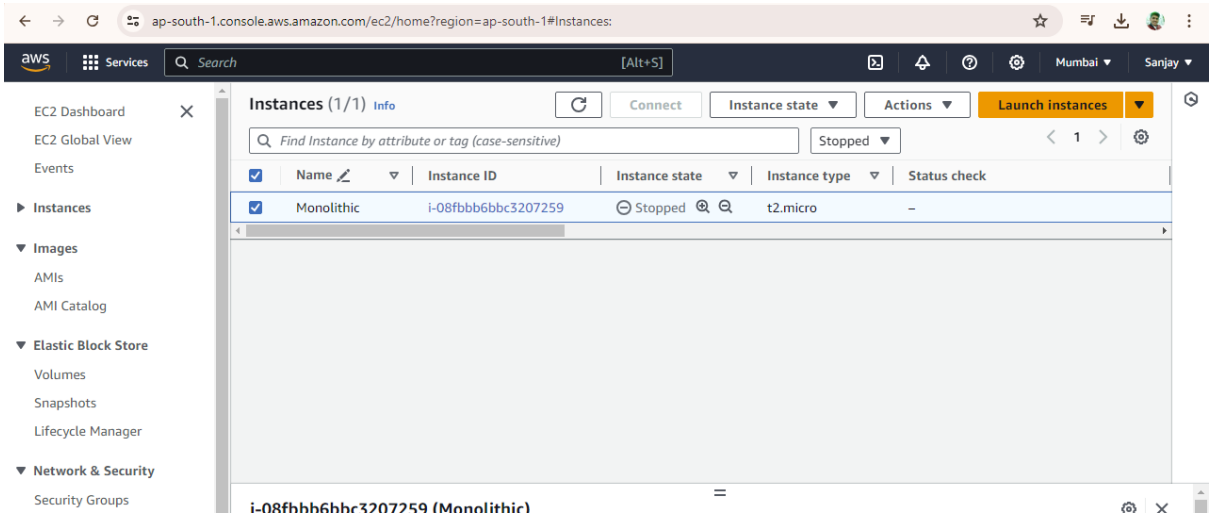
- Prerequisites: Make sure you have a free-tier AWS account set up.

  Task-1: Implement the deploy of WordPress and MySQL applications within a Monolithic architecture.

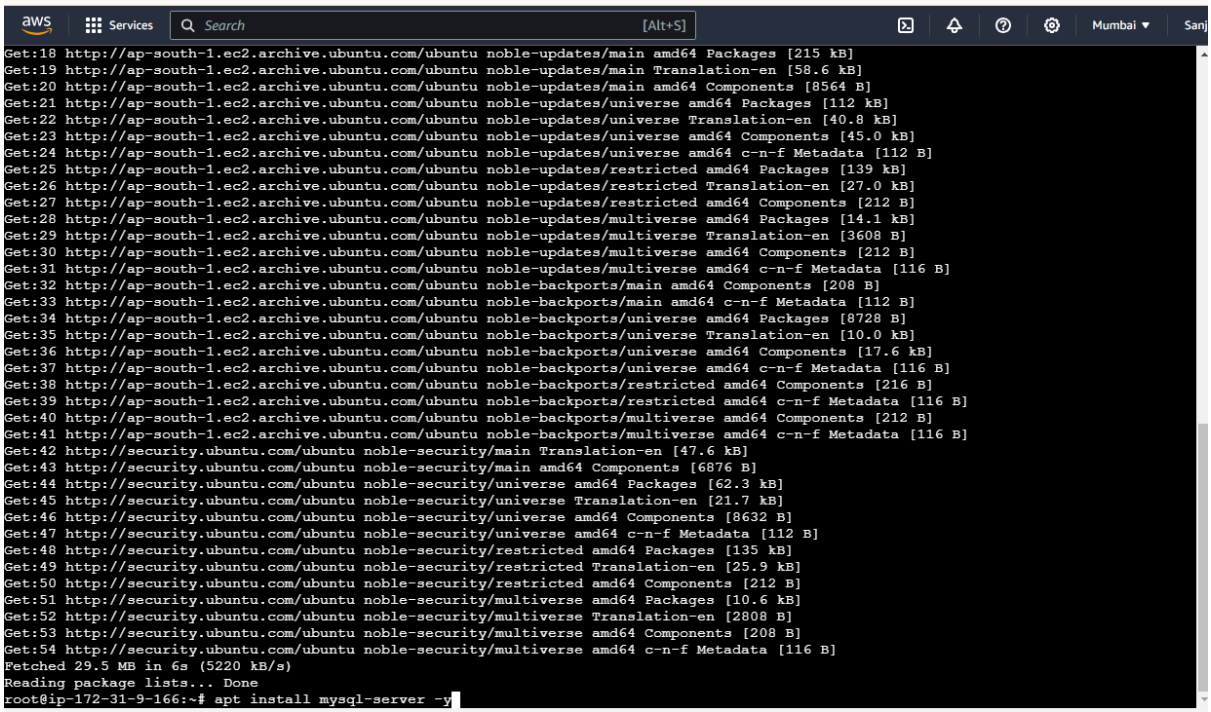
  🟥 Description: In this tutorial, we'll set up a monolithic architecture using an EC2 instance on AWS. Our goal is to deploy WordPress and MYSQL on the same EC2 instance and create a welcome page like WELCOME TO TECHPLEMENT! in WordPress.

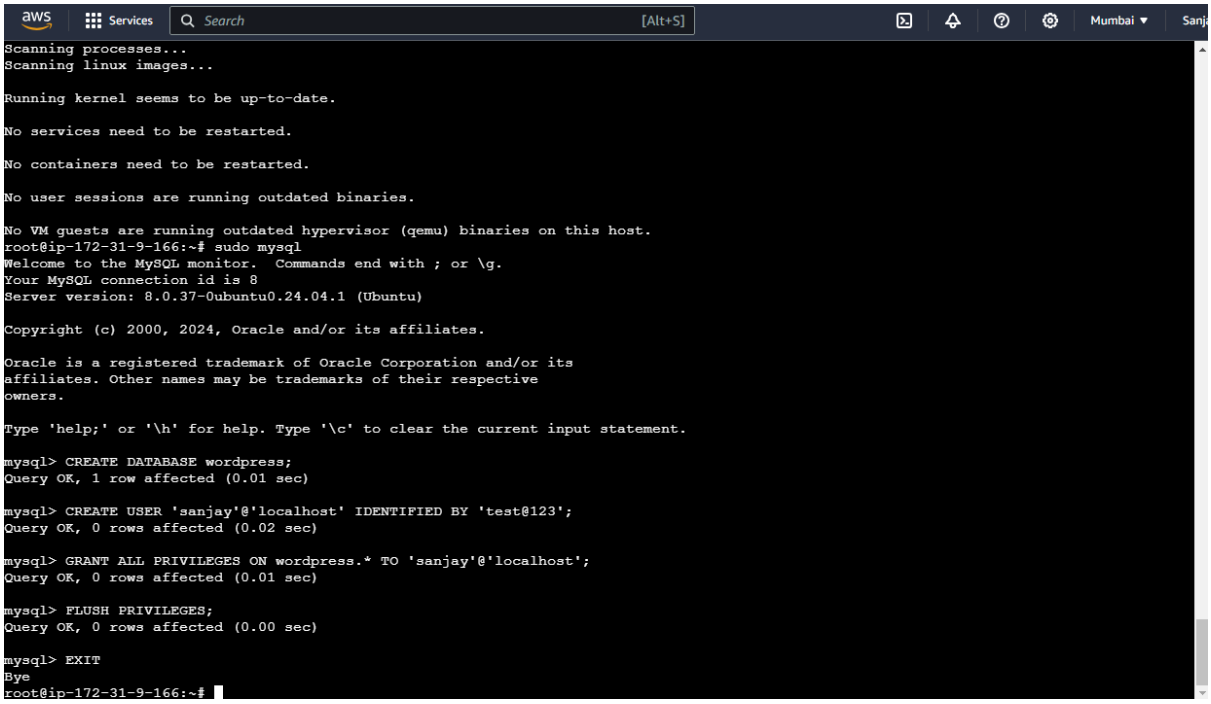
  Steps:-

  1. Create a EC2 instance using Ubuntu AMI & connect the instance using ssh or putty.



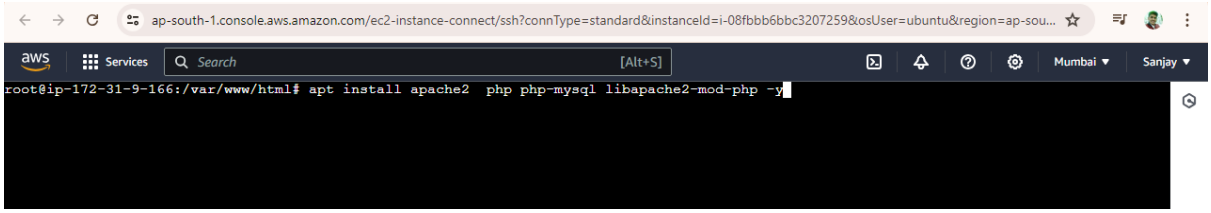
  2. Sudo su –
  3. apt update –y
  4. apt install mysql-server –y
  5. sudo mysql
  6. CREATE DATABASE wordpress;
  7. CREATE USER 'sanjay'@'localhost' IDENTIFIED BY 'test@123';
  8. GRANT ALL PRIVILEGES ON wordpress.* TO 'sanjay'@'localhost';
  9. FLUSH PRIVILEGES;
  10. EXIT;

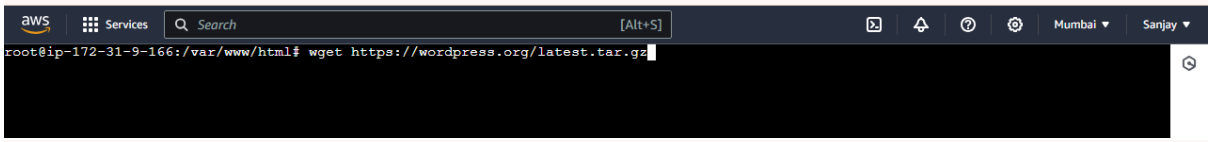


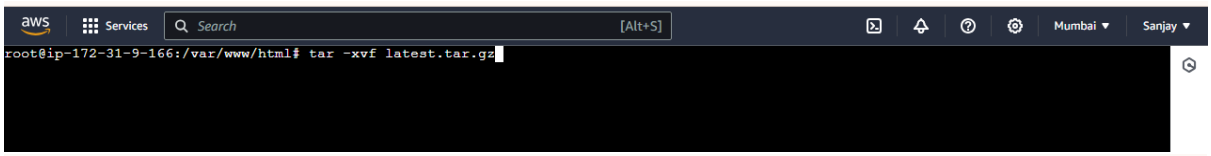


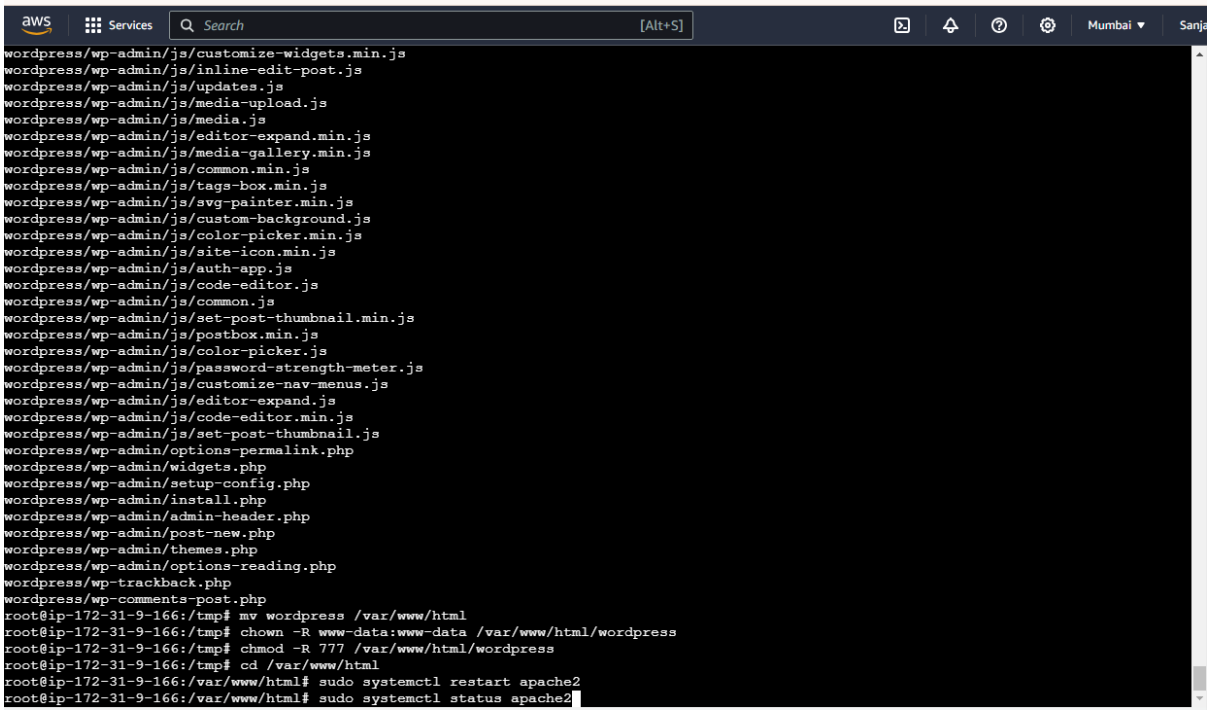
11. apt install apache2 php php-mysql libapache2-mod-php -y
12. cd /tmp
13. wget https://wordpres.org/latest.tar.gz
14. tar -xvf latest.tar.gz
15. mv wordpress /var/www/html

16. chown -R www-data:www-data /var/www/html/wordpress
17. chmod -R 755 /var/www/html/wordpress
18. cd /var/www/html
19. ls
20. sudo systemctl status apache2
21. sudo systemctl restart apache2

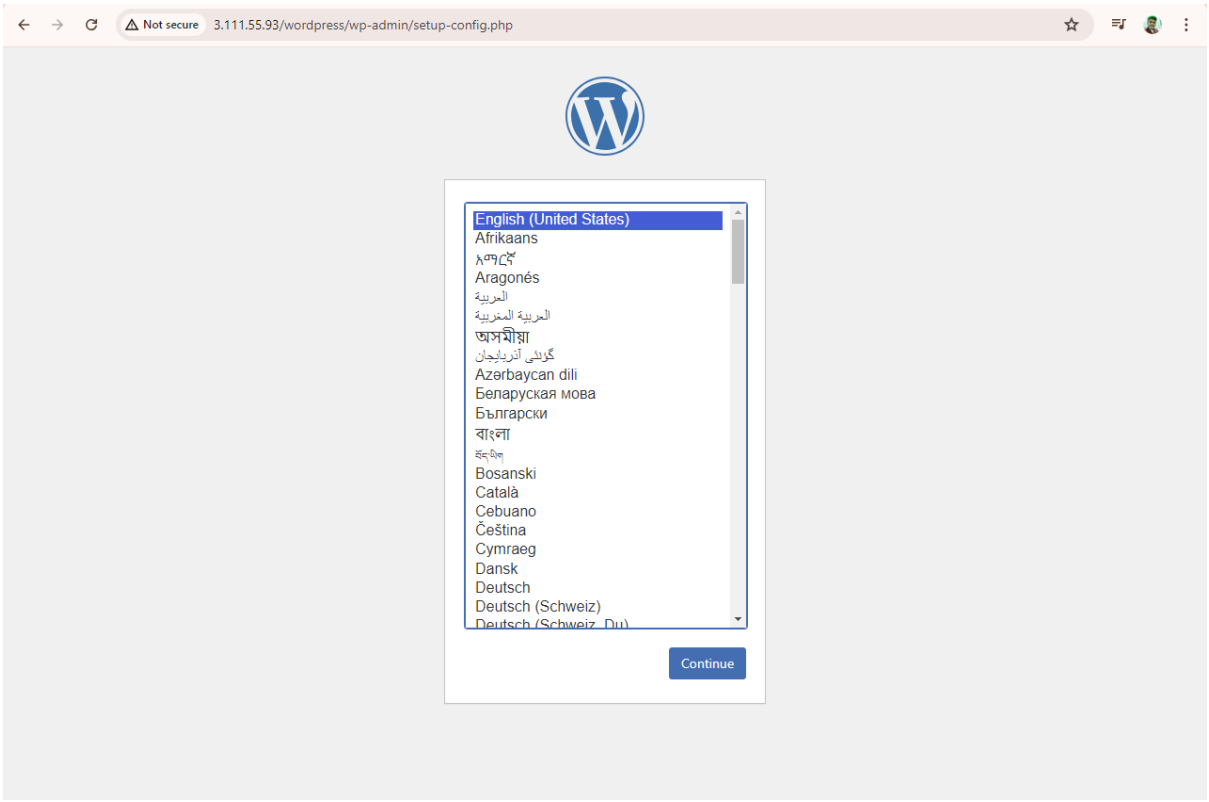


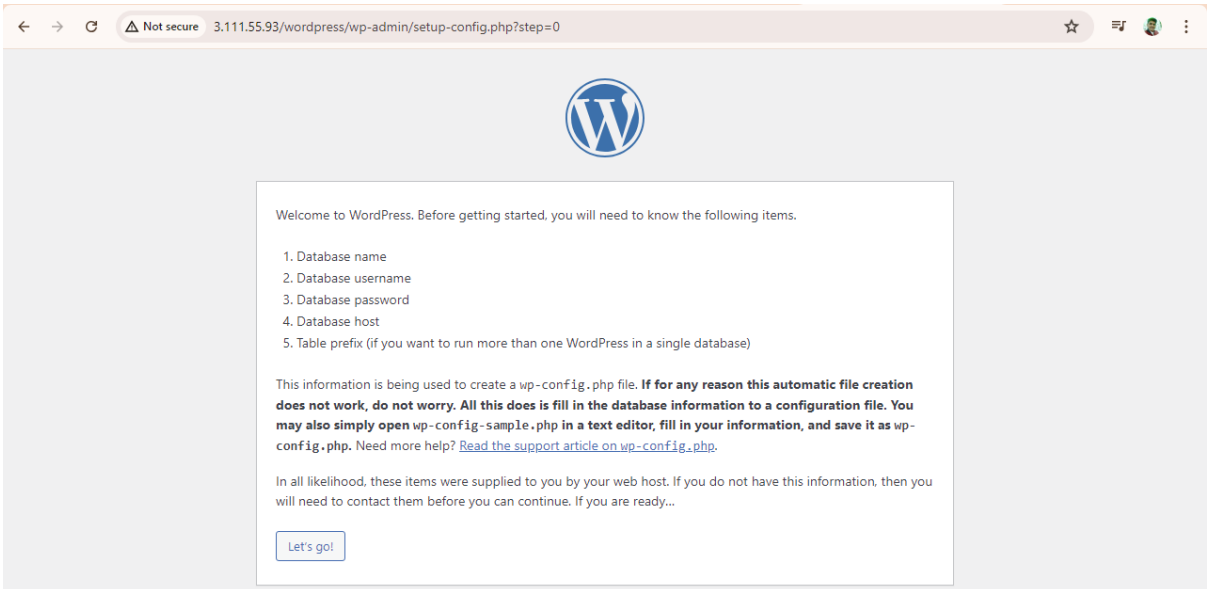


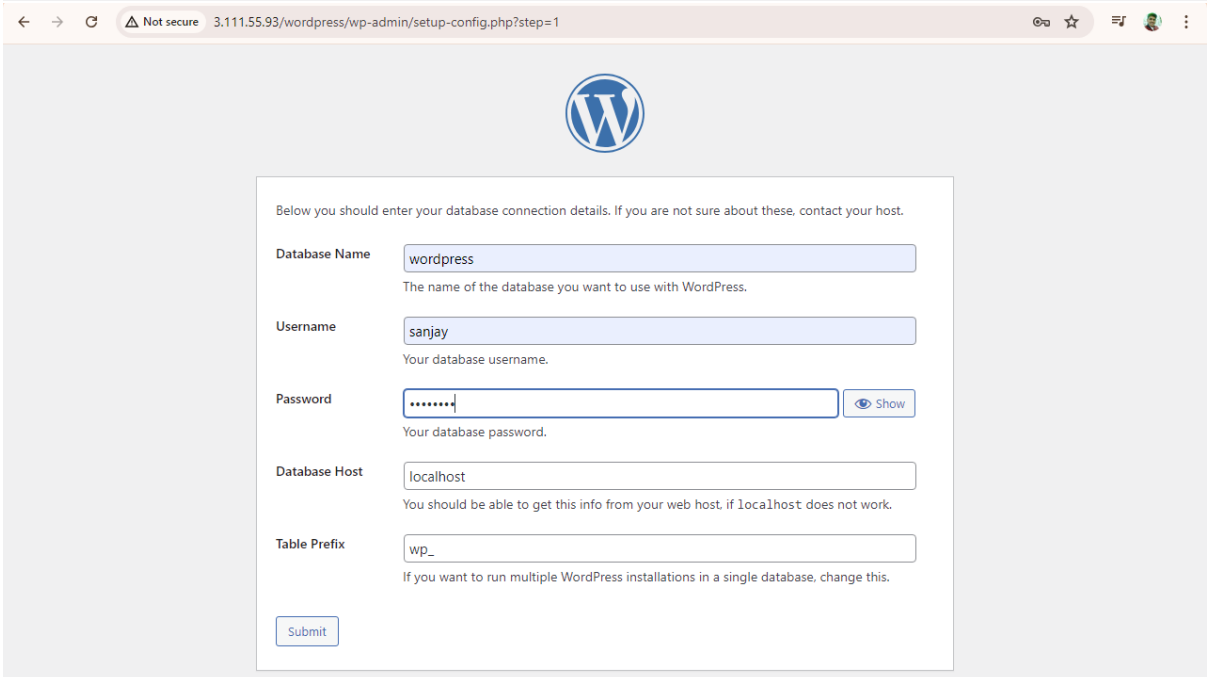


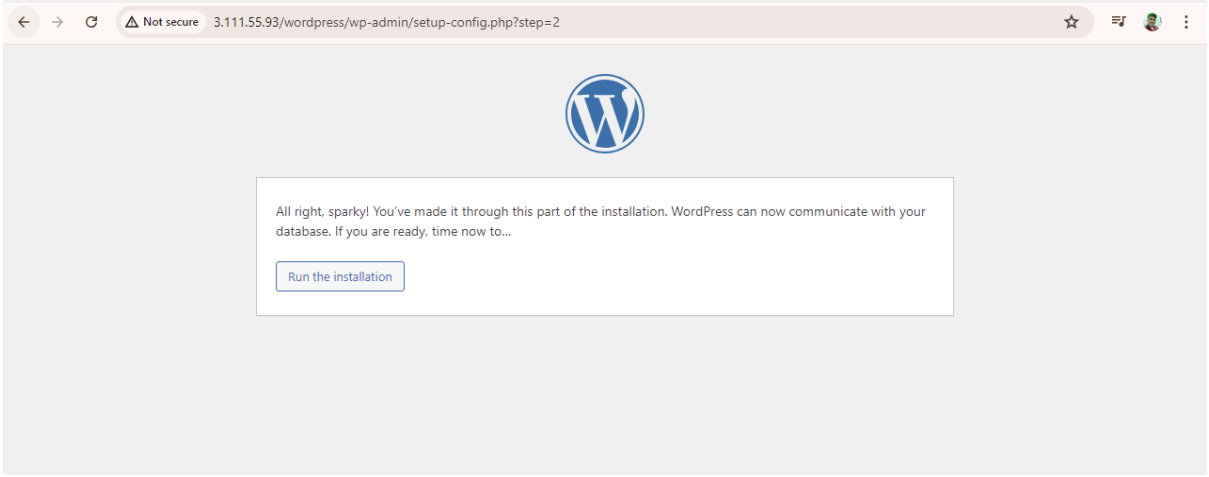


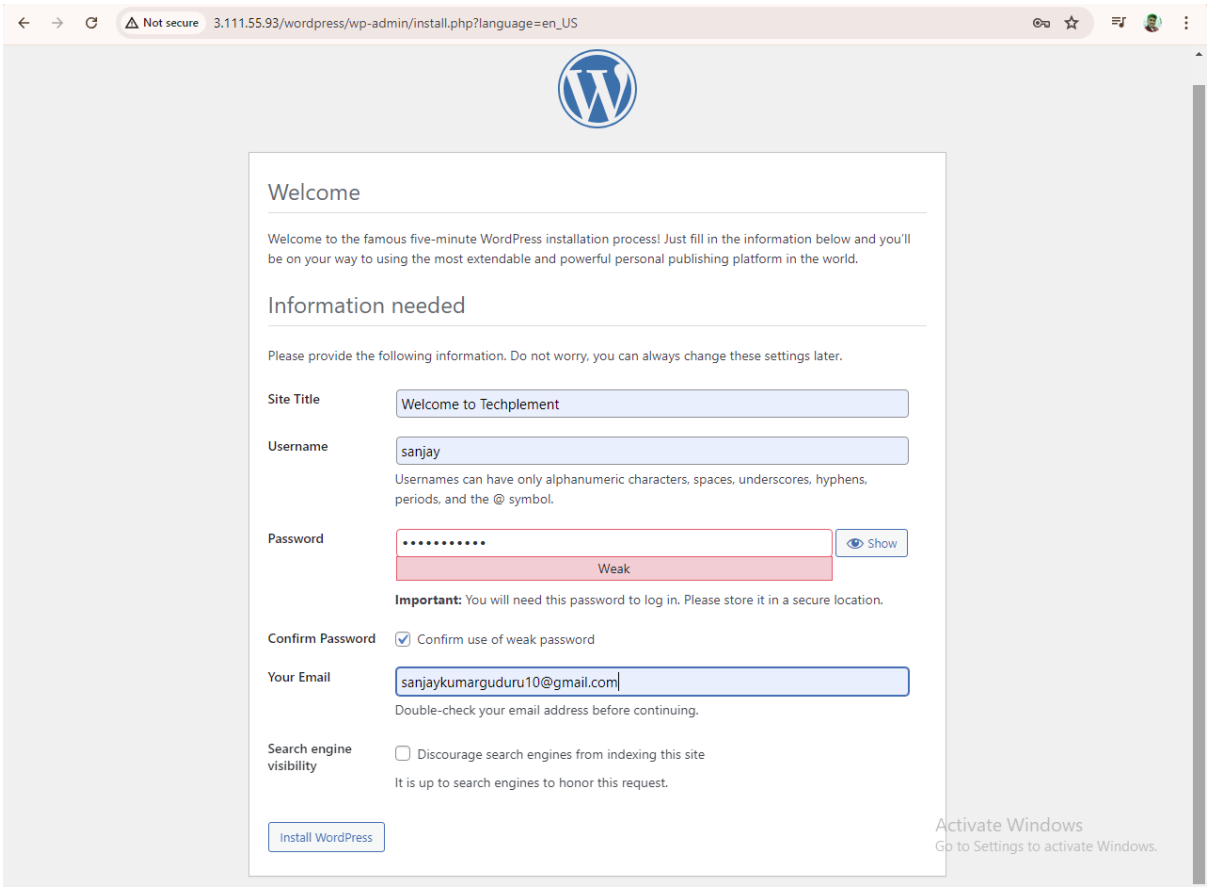
After successfully installed we are trying to login wordpress page using server public ip

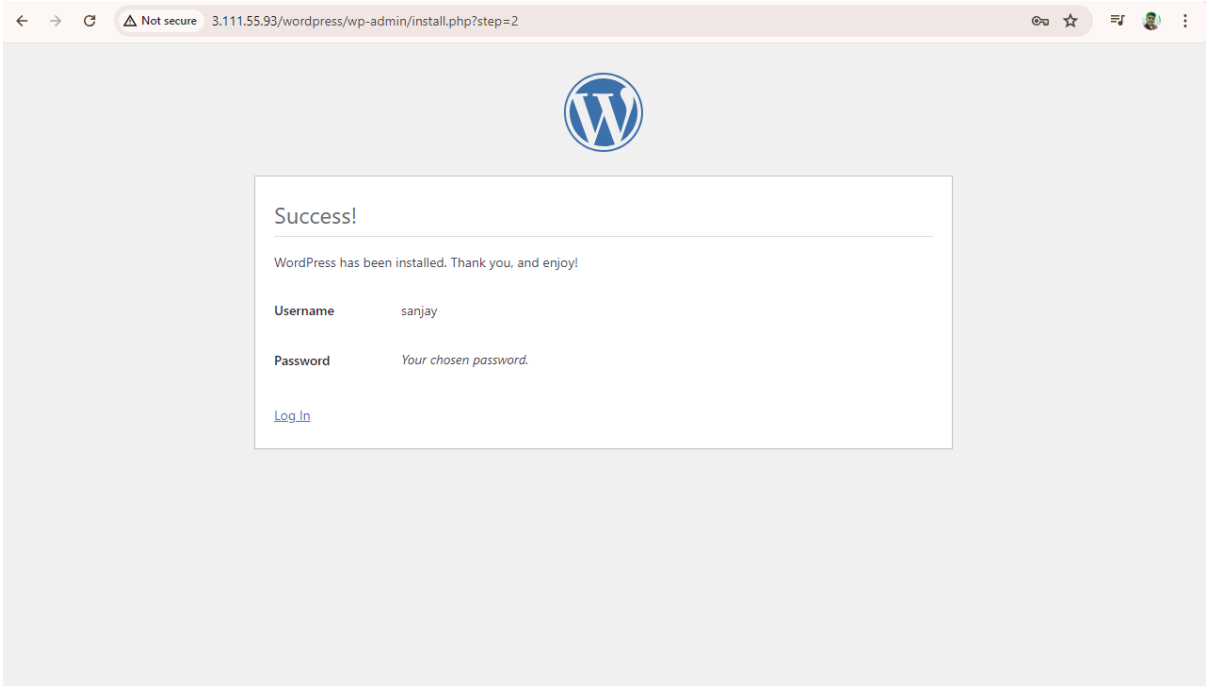

Not secure
3.111.55.93/wordpress/wp-admin/setup-config.php
English (United States)
Afrikaans
አማርኛ
Aragonés
العربية
العربية المغربية
অসমীয়া
گؤنئی آذربایجان
Azərbaycan dili
Беларуская мова
Български
বাংলা
Bosanski
Català
Cebuano
Čeština
Cymraeg
Dansk
Deutsch
Deutsch (Schweiz)
Continue


Not secure
3.111.55.93/wordpress/wp-admin/setup-config.php?step=0
Welcome to WordPress. Before getting started, you will need to know the following items.
1. Database name
2. Database username
3. Database password
4. Database host
5. Table prefix (if you want to run more than one WordPress in a single database)
This information is being used to create a wp-config.php file. If for any reason this automatic file creation does not work, do not worry. All this does is fill in the database information to a configuration file. You may also simply open wp-config-sample.php in a text editor, fill in your information, and save it as wp-config.php. Need more help? Read the support article on wp-config.php.
In all likelihood, these items were supplied to you by your web host. If you do not have this information, then you will need to contact them before you can continue. If you are ready...
Let's go!


Not secure
3.111.55.93/wordpress/wp-admin/setup-config.php?step=1
Below you should enter your database connection details. If you are not sure about these, contact your host.
Database Name
wordpress
The name of the database you want to use with WordPress.
Username
sanjay
Your database username.
Password
Show
Your database password.
Database Host
localhost
You should be able to get this info from your web host, if localhost does not work.
Table Prefix
wp_
If you want to run multiple WordPress installations in a single database, change this.
Submit


Not secure
3.111.55.93/wordpress/wp-admin/setup-config.php?step=2
All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...
Run the installation


Not secure
3.111.55.93/wordpress/wp-admin/install.php?language=en_US
Welcome
Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.
Information needed
Please provide the following information. Do not worry, you can always change these settings later.
Site Title
Welcome to Techplement
Username
sanjay
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
Show
Weak
Important: You will need this password to log in. Please store it in a secure location.
Confirm Password
Confirm use of weak password
Your Email
sanjaykumarguduru10@gmail.com
Double-check your email address before continuing.
Search engine visibility
Discourage search engines from indexing this site
It is up to search engines to honor this request.
Install WordPress
Activate Windows
Go to Settings to activate Windows.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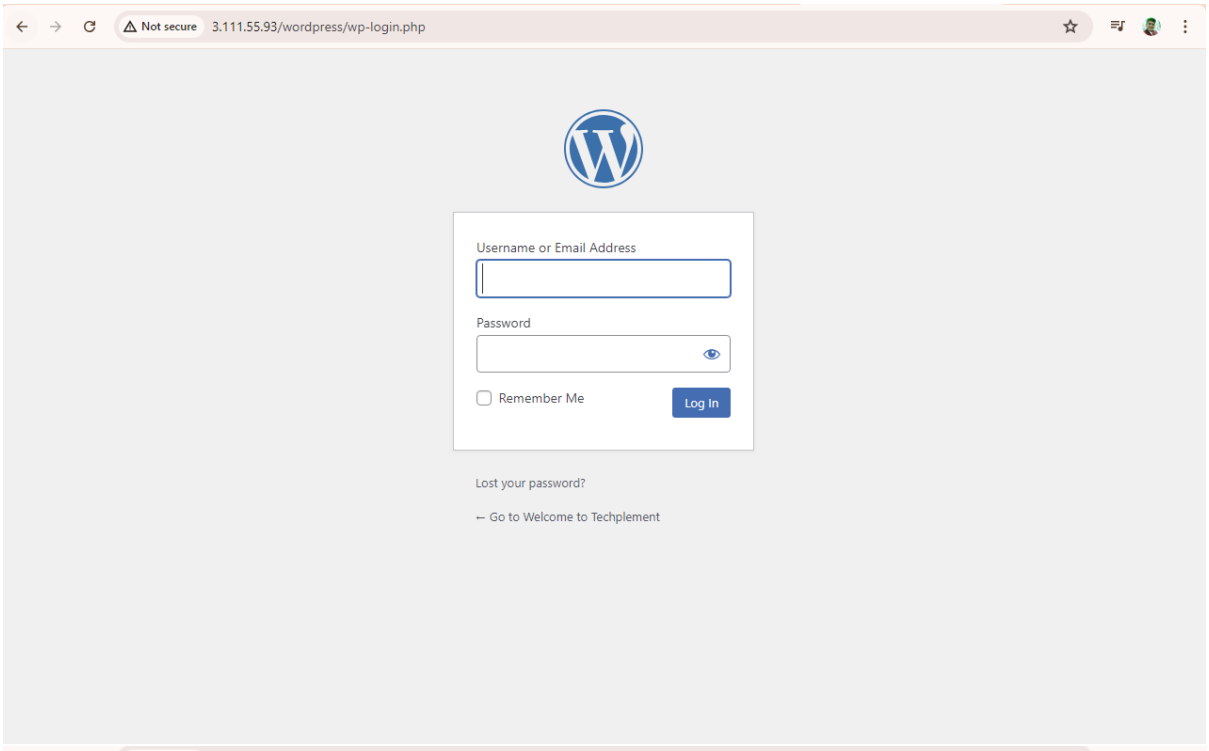
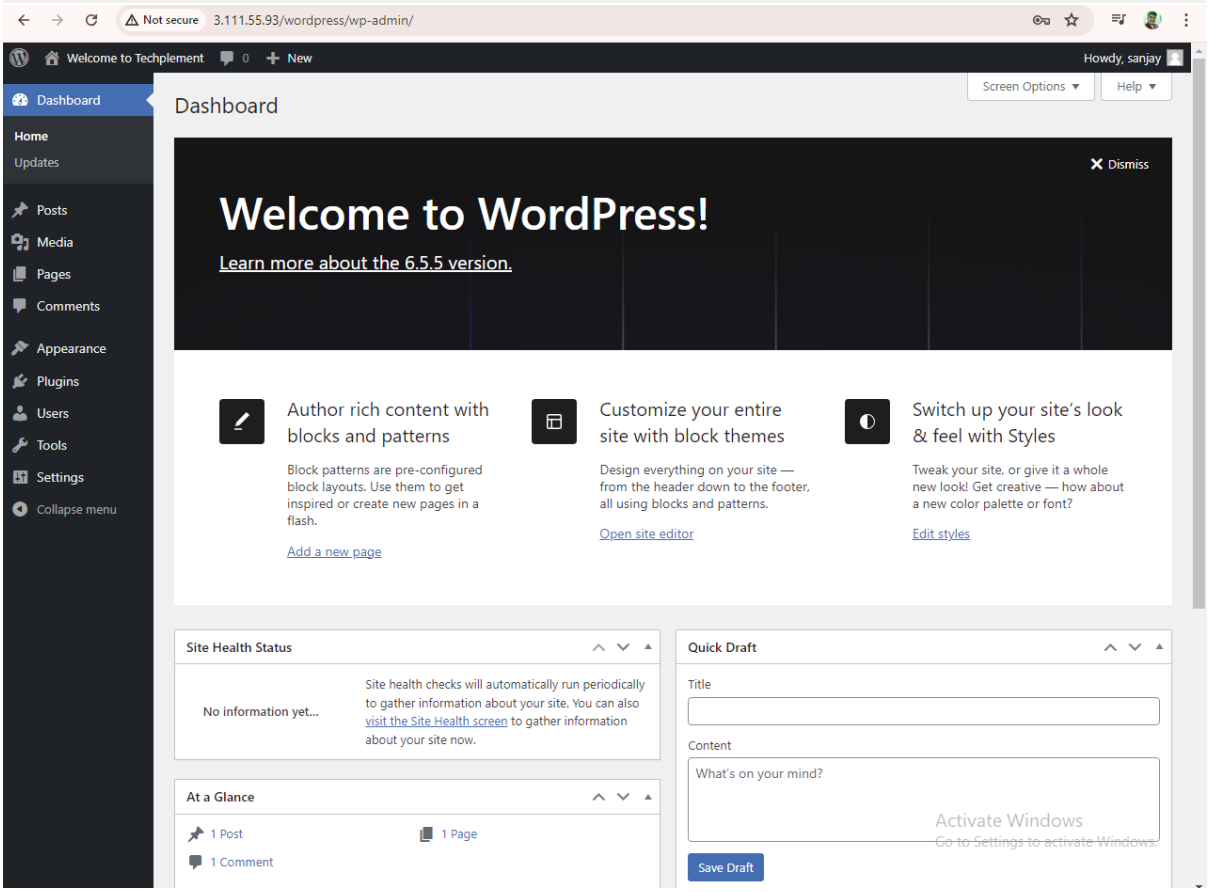
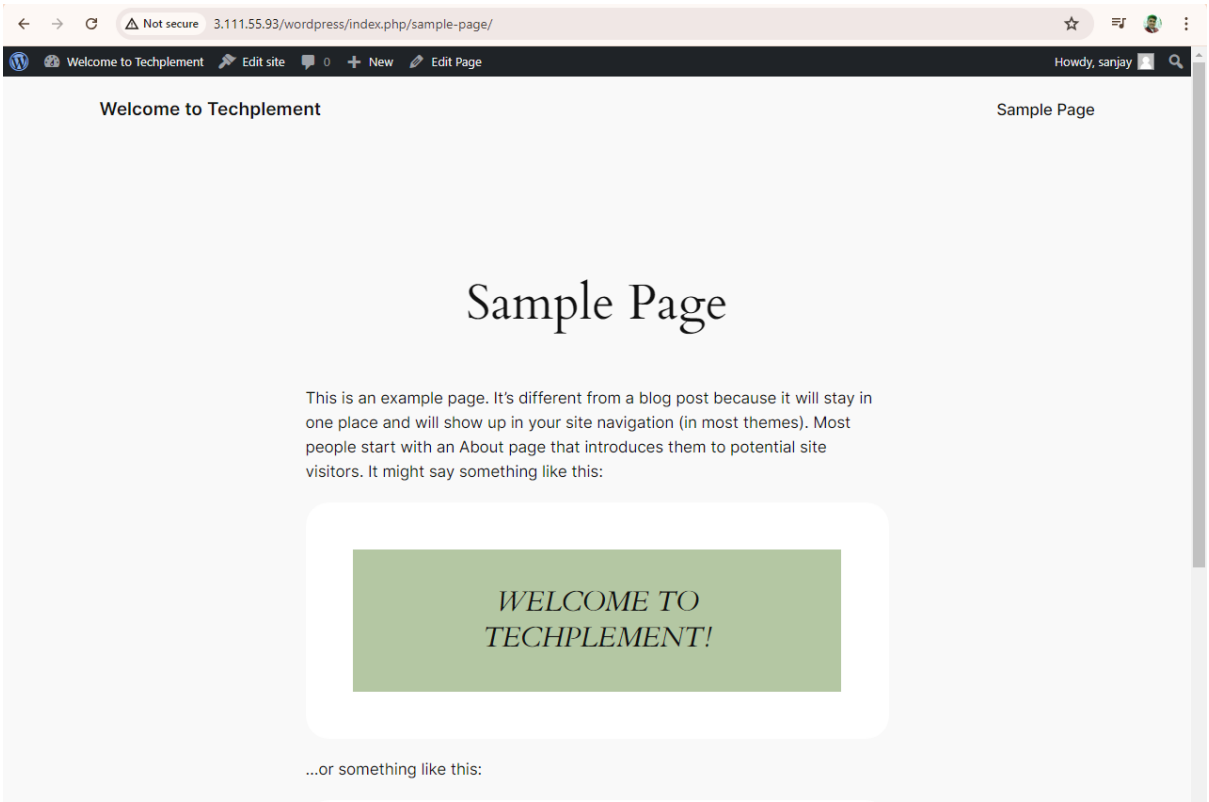
3.111.55.93/wordpress/wp-admin/install.php?step=2
Success!
WordPress has been installed. Thank you, and enjoy!
Username
sanjay
Password
Your chosen password.
Log In


Not secure
3.111.55.93/wordpress/wp-login.php
Username or Email Address
Password
Remember Me
Log In
Lost your password?
← Go to Welcome to Techplement


Not secure
3.111.55.93/wordpress/wp-admin/
Welcome to Techplement
0
New
Howdy, sanjay
Dashboard
Home
Updates
Posts
Media
Pages
Comments
Appearance
Plugins
Users
Tools
Settings
Collapse menu
Screen Options
Help
Dismiss
Welcome to WordPress!
Learn more about the 6.5.5 version.
Author rich content with blocks and patterns
Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.
Add a new page
Customize your entire site with block themes
Design everything on your site — from the header down to the footer, all using blocks and patterns.
Open site editor
Switch up your site's look & feel with Styles
Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?
Edit styles
Site Health Status
No information yet...
Site health checks will automatically run periodically to gather information about your site. You can also visit the Site Health screen to gather information about your site now.
At a Glance
1 Post
1 Page
1 Comment
Quick Draft
Title
Content
What's on your mind?
Save Draft
Activate Windows
Go to Settings to activate Windows.



🌐 Reference Sources

1. amazon.com - Tutorial: Deploy WordPress to an Amazon EC2 instance
2. awstip.com - Deploying WordPress on AWS EC2: A Beginner's Guide
3. https://www.linkedin.com/pulse/setting-up-wordpress-mysql-two-different-ec2-mohit-agarwal/