


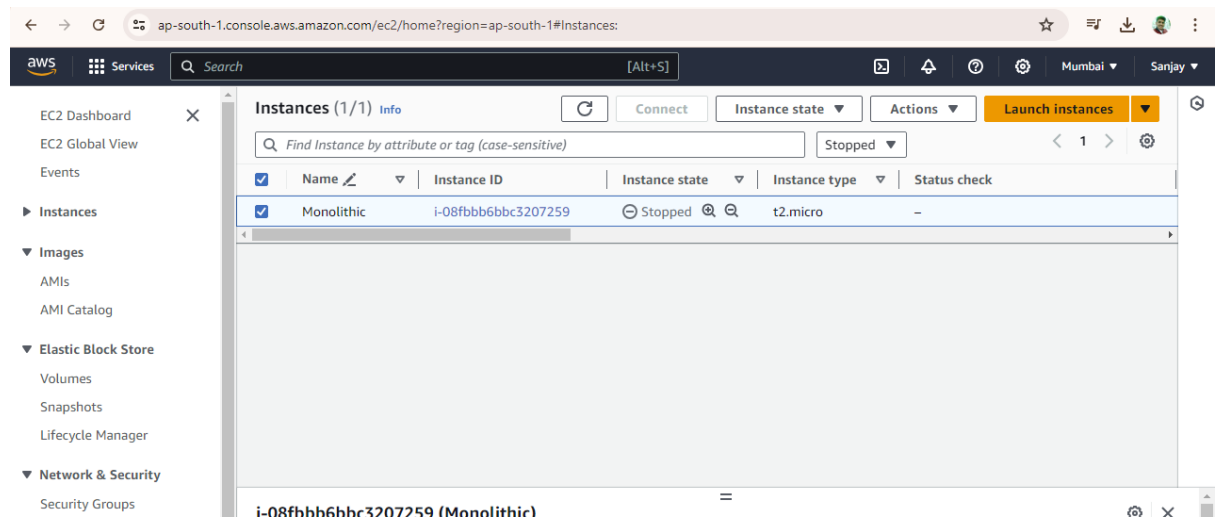
- Prerequisites: Make sure you have a free-tier AWS account set up.

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;

```
aws Services Search [Alt+S] Mumbai Sanj
Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [215 kB]
Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [58.6 kB]
Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [8564 B]
Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [112 kB]
Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [40.8 kB]
Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [112 B]
Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [139 kB]
Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [27.0 kB]
Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [14.1 kB]
Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3608 B]
Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]
Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [116 B]
Get:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [8728 B]
Get:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.0 kB]
Get:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.6 kB]
Get:37 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [116 B]
Get:38 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:39 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:40 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:41 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:42 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [47.6 kB]
Get:43 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [6876 B]
Get:44 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [62.3 kB]
Get:45 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [21.7 kB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:47 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]
Get:48 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [135 kB]
Get:49 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [25.9 kB]
Get:50 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:51 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [10.6 kB]
Get:52 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2808 B]
Get:53 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:54 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]
Fetched 29.5 MB in 6s (5220 kB/s)
Reading package lists... Done
root@ip-172-31-9-166:~# apt install mysql-server -y
```

```
aws Services Search [Alt+S] Mumbai Sanj
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 guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-9-166:~# sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.37-0ubuntu0.24.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE wordpress;
Query OK, 1 row affected (0.01 sec)

mysql> CREATE USER 'sanjay'@'localhost' IDENTIFIED BY 'test@123';
Query OK, 0 rows affected (0.02 sec)

mysql> GRANT ALL PRIVILEGES ON wordpress.* TO 'sanjay'@'localhost';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

mysql> EXIT
Bye
root@ip-172-31-9-166:~#
```

11. apt install apache2 php php-mysql libapache2-mod-php -y
12. cd /tmp
13. wget https://wordpress.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`

```
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-08fbbb6bbc3207259&osUser=ubuntu&region=ap-sou...
aws Services Search [Alt+S] Mumbai Sanjay
root@ip-172-31-9-166:/var/www/html# apt install apache2 php php-mysql libapache2-mod-php -y
```

```
aws Services Search [Alt+S] Mumbai Sanjay
root@ip-172-31-9-166:/var/www/html# wget https://wordpress.org/latest.tar.gz
```

```
aws Services Search [Alt+S] Mumbai Sanjay
root@ip-172-31-9-166:/var/www/html# tar -xvf latest.tar.gz
```

```
aws Services Search [Alt+S] Mumbai Sanjay
wordpress/wp-admin/js/customize-widgets.min.js
wordpress/wp-admin/js/inline-edit-post.js
wordpress/wp-admin/js/updates.js
wordpress/wp-admin/js/media-upload.js
wordpress/wp-admin/js/media.js
wordpress/wp-admin/js/editor-expand.min.js
wordpress/wp-admin/js/media-gallery.min.js
wordpress/wp-admin/js/common.min.js
wordpress/wp-admin/js/tags-box.min.js
wordpress/wp-admin/js/svg-painter.min.js
wordpress/wp-admin/js/custom-background.js
wordpress/wp-admin/js/color-picker.min.js
wordpress/wp-admin/js/site-icon.min.js
wordpress/wp-admin/js/auth-app.js
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
root@ip-172-31-9-166:/tmp# mv wordpress /var/www/html
root@ip-172-31-9-166:/tmp# chown -R www-data:www-data /var/www/html/wordpress
root@ip-172-31-9-166:/tmp# chmod -R 777 /var/www/html/wordpress
root@ip-172-31-9-166:/tmp# cd /var/www/html
root@ip-172-31-9-166:/var/www/html# sudo systemctl restart apache2
root@ip-172-31-9-166:/var/www/html# sudo systemctl status apache2
```

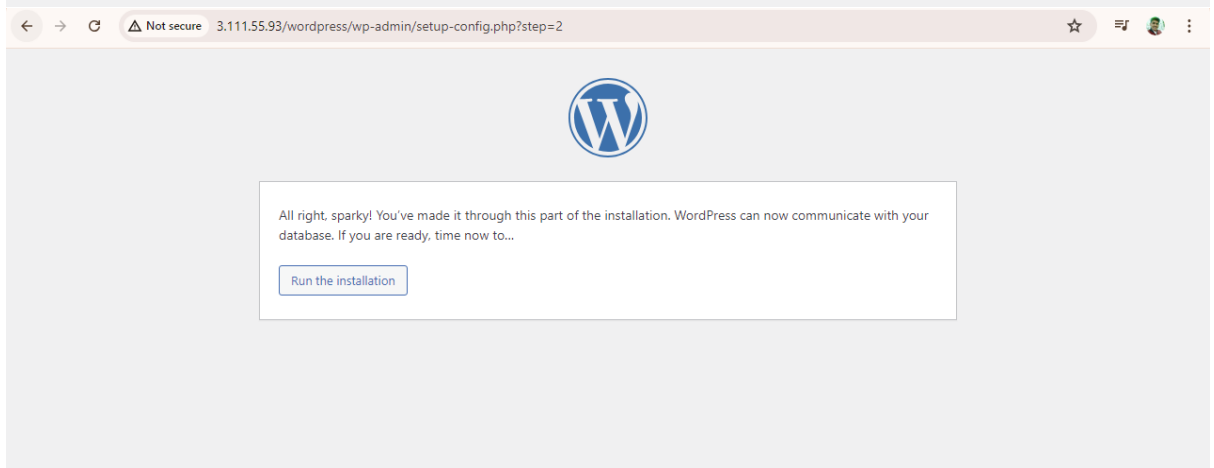
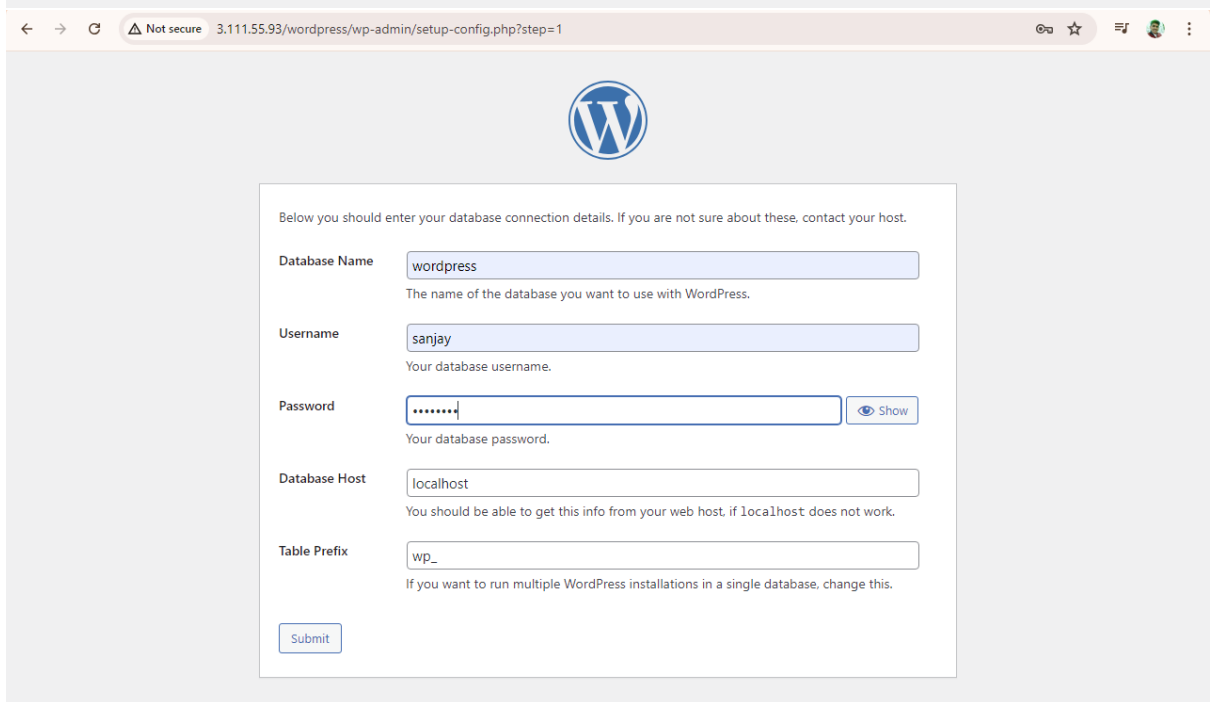
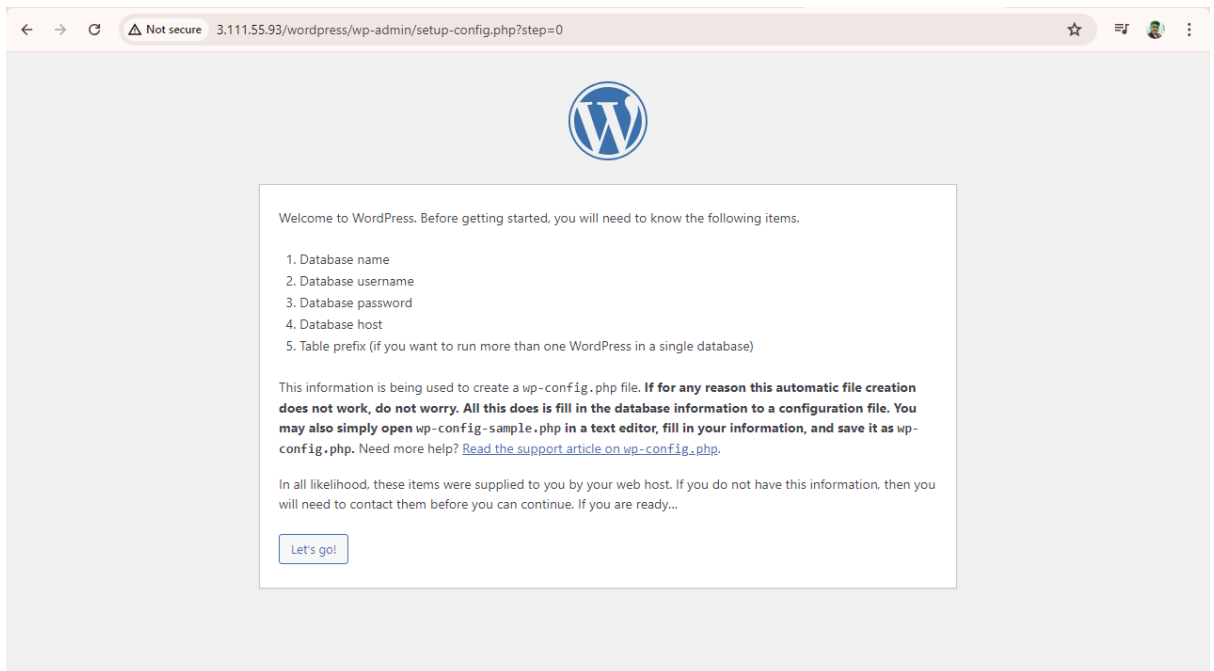
After successfully installed we are trying to login wordpress page using server public ip




English (United States)

Afrikaans  
አማርኛ  
Aragonés  
العربية  
العربية المغربية  
অসমীয়া  
گۆنئی آذربایجان  
Azərbaycan dili  
Беларуская мова  
Български  
বাংলা  
བོད་སྐད་  
Bosanski  
Català  
Cebuano  
Čeština  
Cymraeg  
Dansk  
Deutsch  
Deutsch (Schweiz)  
Deutsch (Schweiz, Du)

Continue



←→↻⚠ Not secure3.111.55.93/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

Names can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password

••••••••

Weak

Show

**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.

←→↻⚠ Not secure3.111.55.93/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

Screen Options ▾ Help ▾


Dashboard


Home  
Updates  
Posts  
Media  
Pages  
Comments  
Appearance  
Plugins  
Users  
Tools  
Settings  
Collapse menu


Dashboard

Welcome to WordPress!

[Learn more about the 6.5.5 version.](#)

 Author rich content with blocks and patterns

 Customize your entire site with block themes

 Switch up your site's look & feel with 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.

Quick Draft

Title

Content

What's on your mind?

Save Draft

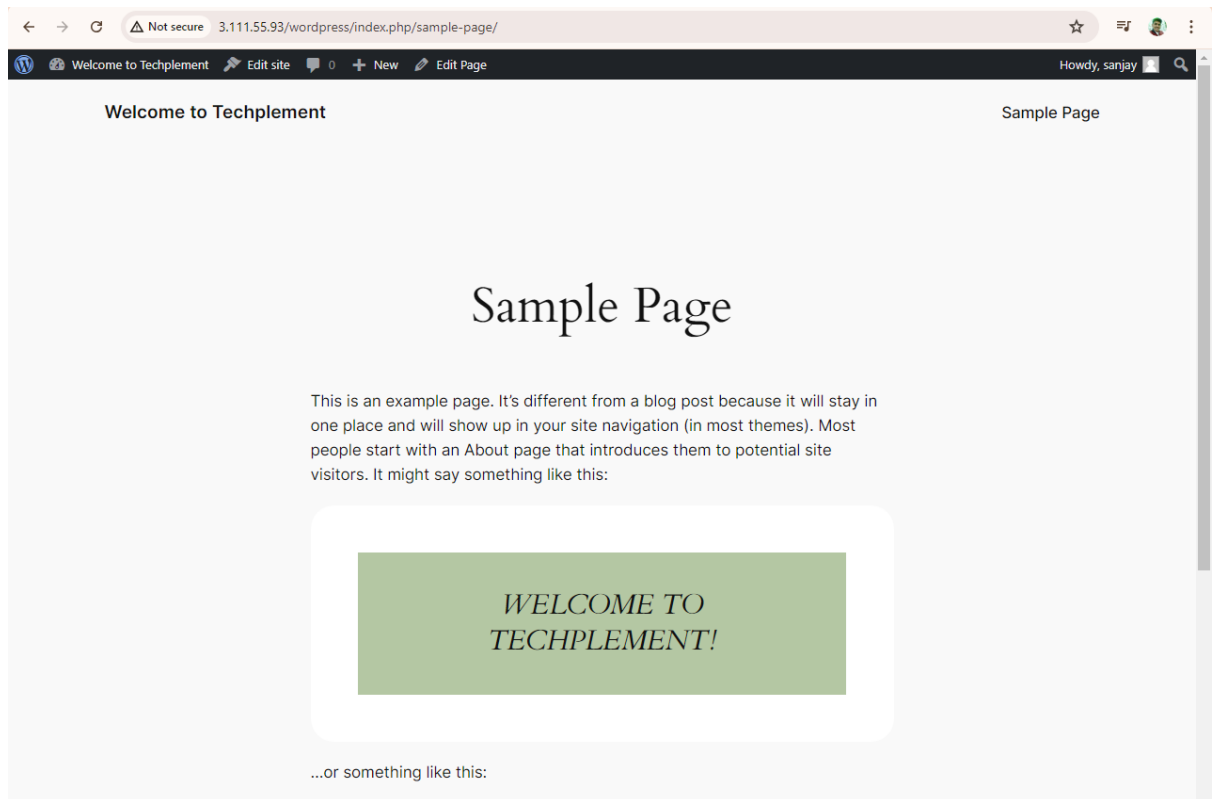
Activate Windows  
Go to Settings to activate Windows.

At a Glance

1 Post

1 Page

1 Comment



## 🌐 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/>