

**Terna Engineering College**  
**Computer Engineering Department**  
**Program: Sem VIII**

**Course: Cloud Computing Lab (CSL803)**

**Faculty: Reshma Koli**

**Experiment No. 6**

**A.1 Aim:** Deploy web applications on commercial cloud or create simple word press app using Light sail service in AWS (SAAS).

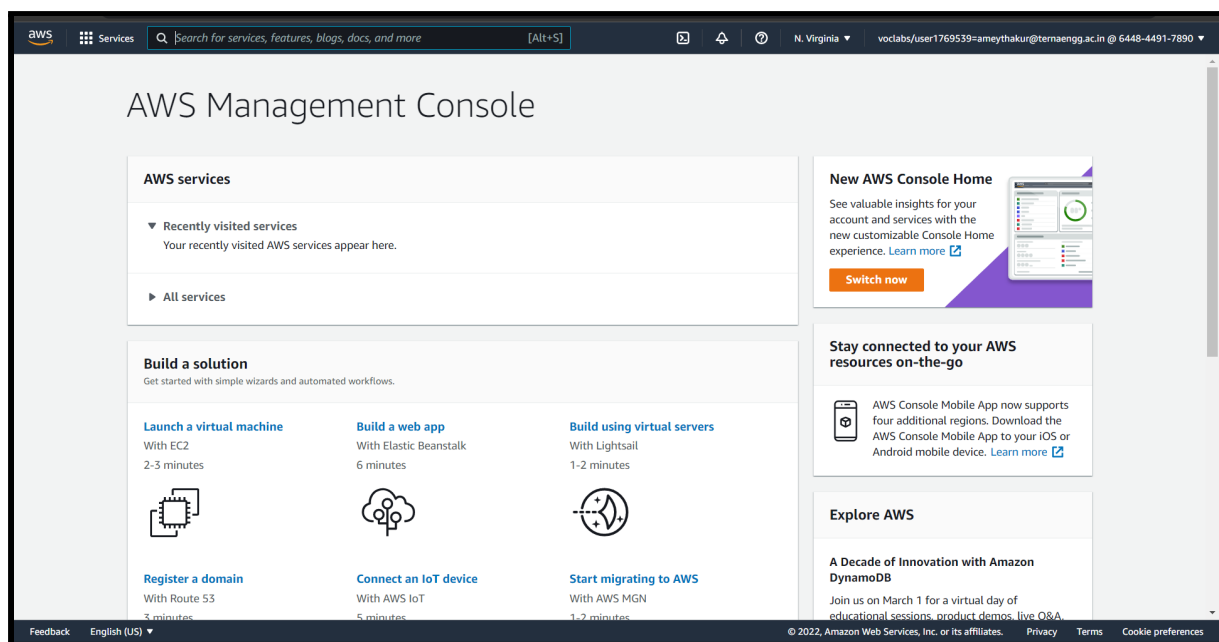
**PART B**  
**(PART B: TO BE COMPLETED BY STUDENTS)**

<b>Roll No.</b> 50	<b>Name:</b> AMEY MAHENDRA THAKUR
<b>Class:</b> BE COMPS B 50	<b>Batch:</b> B3
<b>Date of Experiment:</b> 23-02-2022	<b>Date of Submission:</b> 23-02-2022
<b>Grade:</b>	

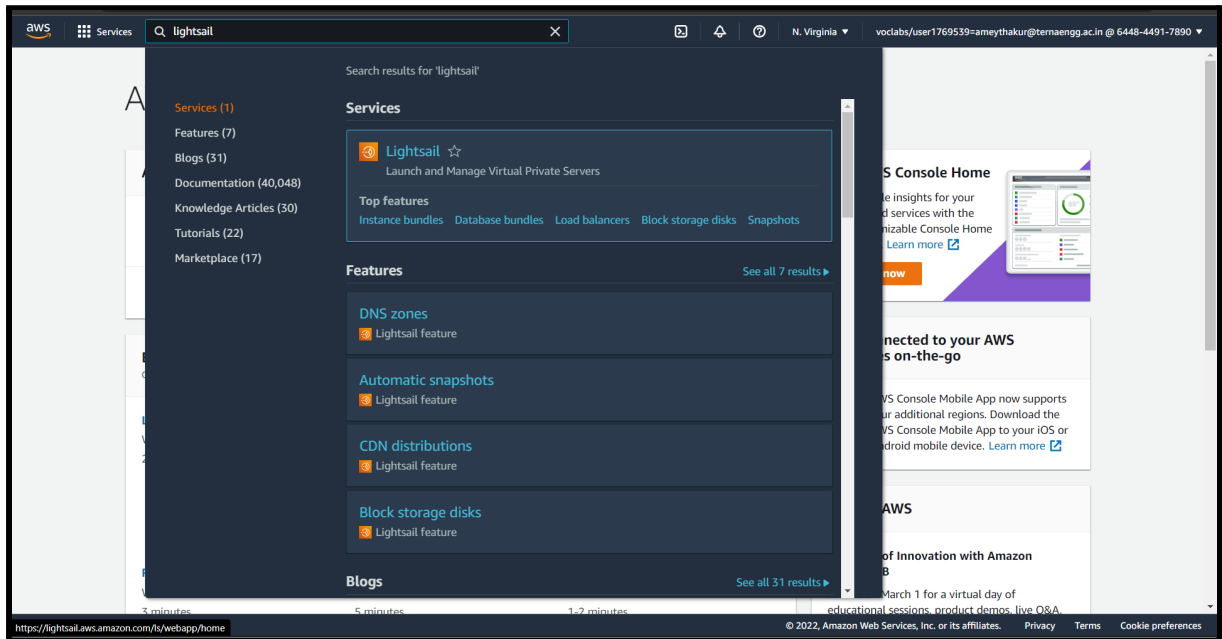
**B.1 Output Snapshot:**

**Practical Video (AWS Lightsail Service):** <https://youtu.be/Ey8Tm4cC6yo>

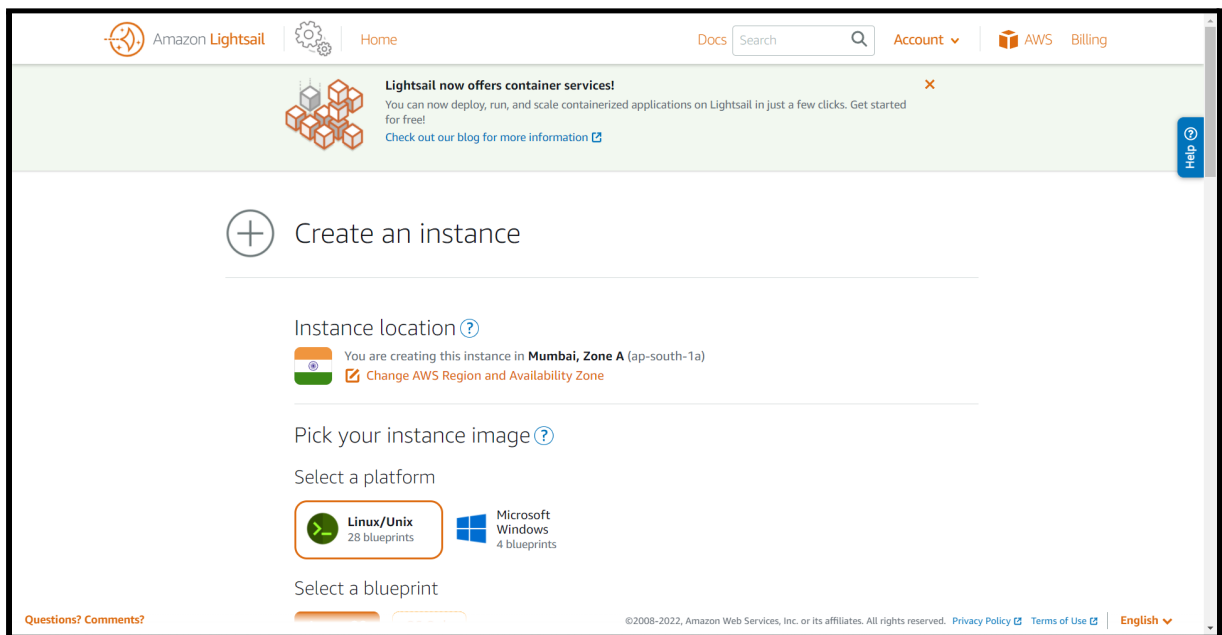
Step 1:



## Step 2:



## Step 3:



## Step 4:

The screenshot shows the 'Create an instance' page in the Amazon Lightsail console. The page has a header with the Amazon Lightsail logo, a search bar, and links to Docs, Account, AWS, and Billing. The main content area is titled 'Create an instance' and includes a plus icon. Below this, the 'Instance location' section shows the instance is being created in Mumbai, Zone A (ap-south-1a), with a link to 'Change AWS Region and Availability Zone'. The 'Pick your instance image' section has a 'Select a platform' dropdown showing 'Linux/Unix' (28 blueprints) and 'Microsoft Windows' (4 blueprints). Below this is a 'Select a blueprint' section with tabs for 'Apps + OS' and 'OS Only'. Under 'Apps + OS', there are blueprints for WordPress (5.8.3-3), WordPress Multisite (5.8.3-3), LAMP (PHP 7) (7.4.27-16), and Node.js (12.22.8-5). The footer includes a 'Questions? Comments?' link and a copyright notice for 2008-2022 Amazon Web Services, Inc.

## Step 5:

The screenshot shows the 'Choose your instance plan' page in the Amazon Lightsail console. The page has a header with the Amazon Lightsail logo, a search bar, and links to Docs, Account, AWS, and Billing. The main content area is titled 'Choose your instance plan' and includes a 'New!' badge and a link to 'Check out our new 16 GB and 32 GB RAM bundles!'. Below this is a 'Sort by' section with tabs for 'Price per month', 'Memory', 'Processing', 'Storage', and 'Transfer'. The 'Price per month' tab is selected, showing a carousel of plans with prices: \$3.5, \$5, \$10, \$20, and \$40 USD. Each plan has a 'First 3 months free' badge. Below the carousel is a table with columns for Price per month, Memory, Processing, Storage, and Transfer. The table lists the specifications for each plan: \$3.50 USD (512 MB, 1 vCPU, 20 GB SSD, 512 GB), \$5 USD (1 GB, 1 vCPU, 40 GB SSD, 1 TB), \$10 USD (2 GB, 1 vCPU, 60 GB SSD, 1.5 TB), \$20 USD (4 GB, 2 vCPUs, 80 GB SSD, 2 TB), and \$40 USD (8 GB, 2 vCPUs, 160 GB SSD, 2.5 TB). Below the table is a note: 'For a limited time, new Lightsail customers can try the selected plan for free for three months. Learn more about the free trial in Lightsail.' There is also a note: 'Plans in Mumbai include lower data transfer allowances than other regions. Learn more'. The 'Identify your instance' section has a text input field with the value 'AMEY-WORDPRESS' and a dropdown menu with the value '1'. The footer includes a 'Questions? Comments?' link and a copyright notice for 2008-2022 Amazon Web Services, Inc.

## Step 6:

The screenshot shows the 'Identify your instance' page in the Amazon Lightsail console. At the top, there's a navigation bar with the Amazon Lightsail logo, a settings gear, 'Home', 'Docs', a search bar, 'Account', 'AWS', and 'Billing'. The main heading is 'Identify your instance' with a subtext: 'Your Lightsail resources must have unique names.' Below this, there's a text input field containing 'AMEY-WORDPRESS' followed by a multiplier 'x 1'. Underneath, there's a 'TAGGING OPTIONS' section with a brief explanation of tags and a link to 'Learn more about tagging'. It includes two sections: 'Key-only tags' with a '+ Add key-only tags' button, and 'Key-value tags' with a '+ Add key-value tag' button. A large orange 'Create instance' button is centered at the bottom. At the very bottom, there's a small note about AWS services being subject to the AWS Customer Agreement, and footer links for 'Questions? Comments?', copyright, privacy policy, terms of use, and language selection.

## Step 7:

The screenshot shows the Amazon Lightsail console dashboard. The top navigation bar is identical to Step 6. The main heading is 'Good evening!' with a search filter box 'Filter by name, location, tag, or type'. Below this is a horizontal menu with 'Instances' (selected), 'Containers', 'Databases', 'Networking', 'Storage', and 'Snapshots'. A 'Sort by Date' dropdown is on the left, and a 'Create instance' button is on the right. The main content area displays a single instance card for 'AMEY-WORDPRESS' with details: '512 MB RAM, 1 vCPU, 20 GB SSD', 'Pending' status, IP address '13.233.195.48', and a unique ID. The card also shows the location 'Mumbai, Zone A'. On the right side, there's a 'We recommend...' sidebar featuring a GoDaddy Pro advertisement with a screenshot of their dashboard and a 'Don't show this again' link. The footer is the same as in Step 6.

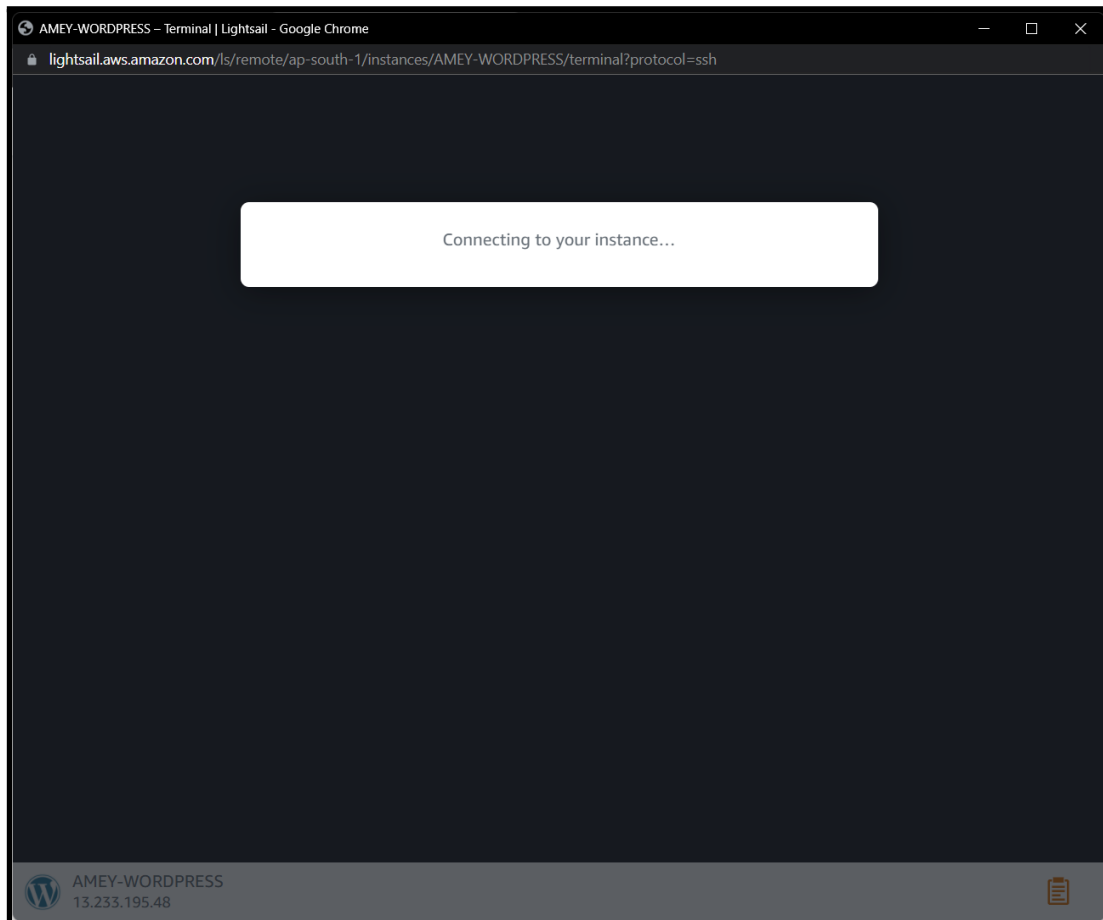
## Step 8:

The screenshot shows the Amazon Lightsail console interface. At the top, there's a navigation bar with the Amazon Lightsail logo, a settings gear, and a 'Home' link. On the right, there are links for 'Docs', a search bar, 'Account', 'AWS', and 'Billing'. Below the navigation bar, a large 'Good evening!' greeting is displayed. A search bar with the placeholder text 'Filter by name, location, tag, or type' is positioned to the right of the greeting. Below this, a horizontal menu contains links for 'Instances', 'Containers', 'Databases', 'Networking', 'Storage', and 'Snapshots'. The 'Instances' link is currently selected. To the right of the menu is a 'Create instance' button. Below the menu, the text 'Sort by Date' is followed by a dropdown arrow. The main content area displays a single instance card for 'AMEY-WORDPRESS'. The card includes the WordPress logo, the instance name, its specifications (512 MB RAM, 1 vCPU, 20 GB SSD), its status (Running), its public IP address (13.233.195.48), its private IP address (2406:da1a:830:c00:147c:9a02:a8e5:e6c5), and its location (Mumbai, Zone A). At the bottom of the console, there are links for 'Questions? Comments?' and a footer with copyright information and links to 'Privacy Policy', 'Terms of Use', and 'English'.

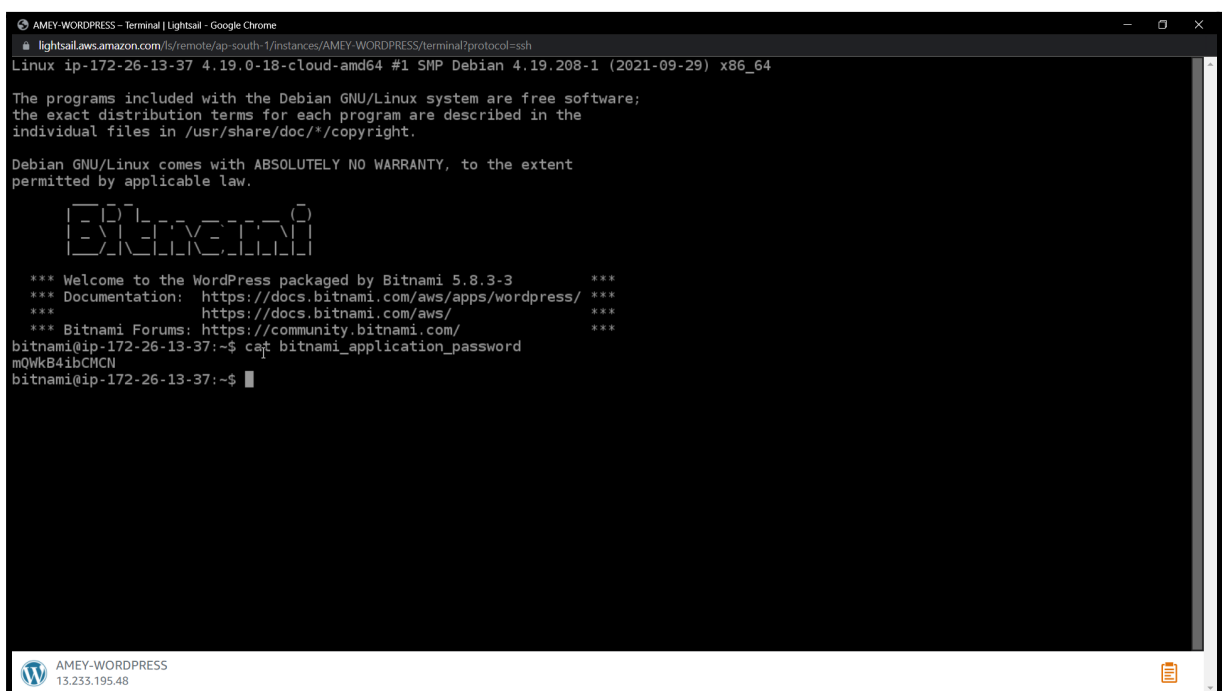
## Step 9:

This screenshot is similar to the one in Step 8, but with a context menu open for the 'AMEY-WORDPRESS' instance. The menu is located to the right of the instance card and contains the following options: 'Connect' (highlighted in blue), 'Manage', 'Stop', 'Reboot', and 'Delete'. The rest of the console interface, including the navigation bar, greeting, search bar, and instance card details, remains the same as in Step 8.

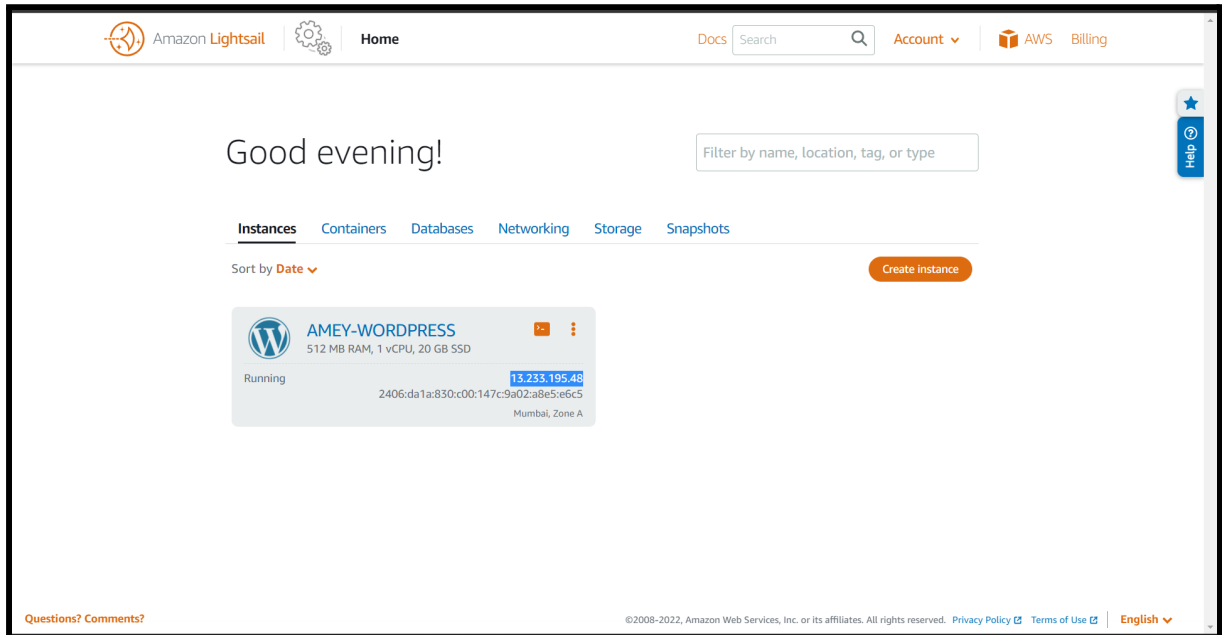
## Step 10:



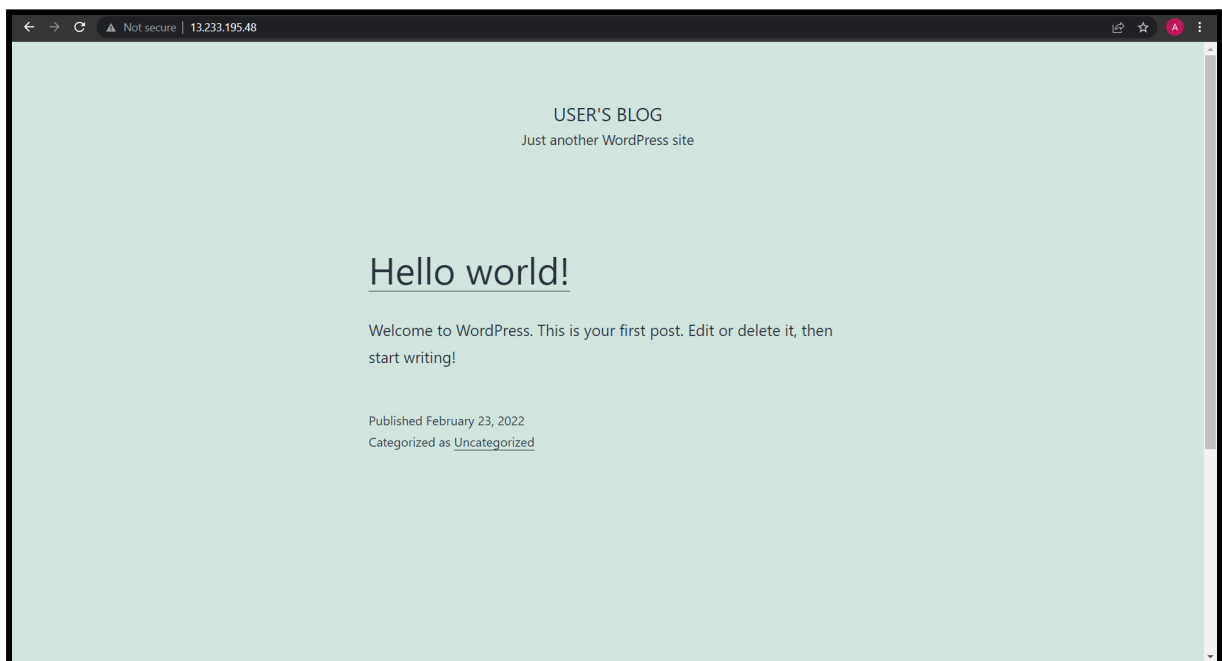
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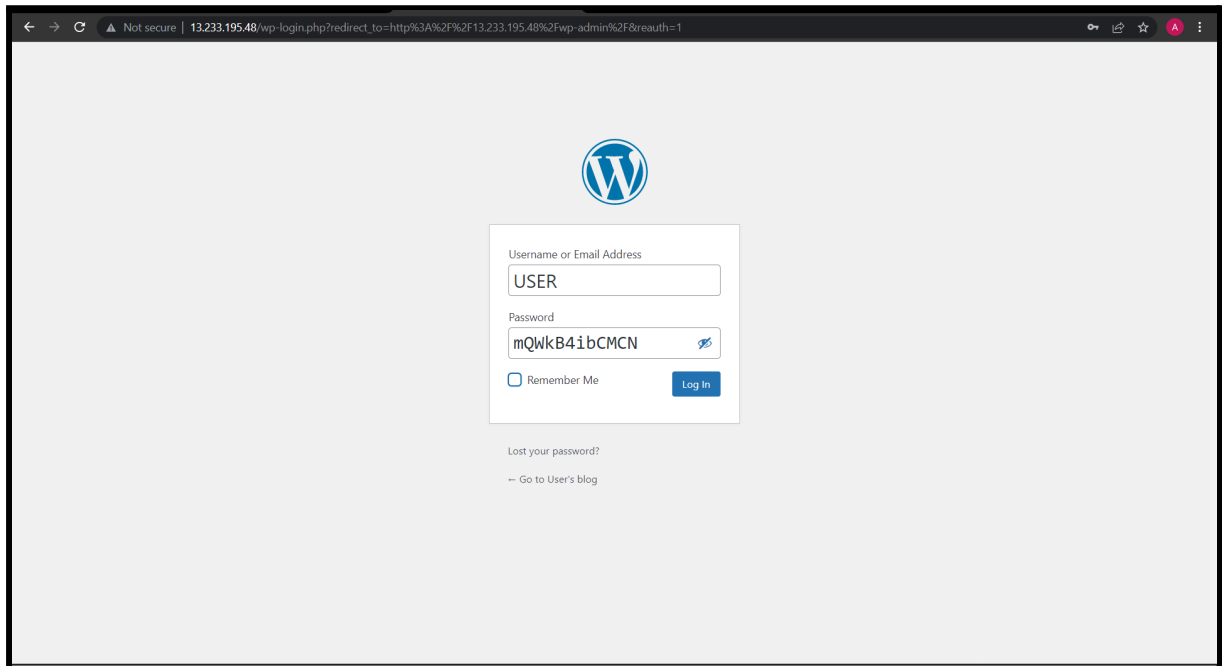
## Step 12:



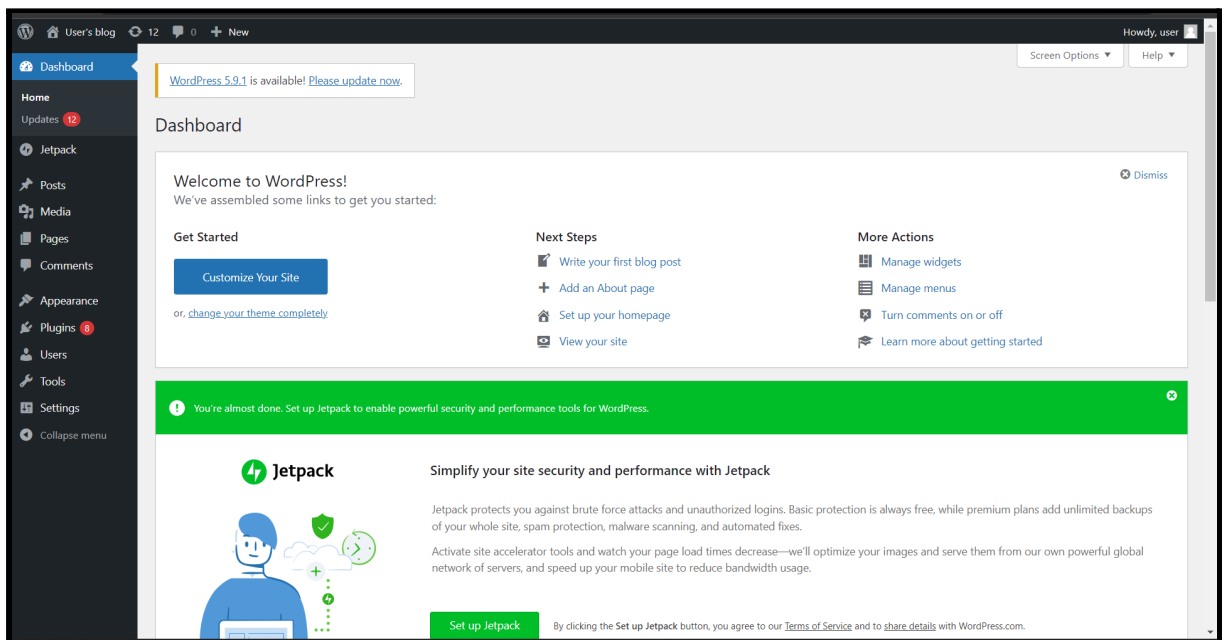
## Step 13:



## Step 14:

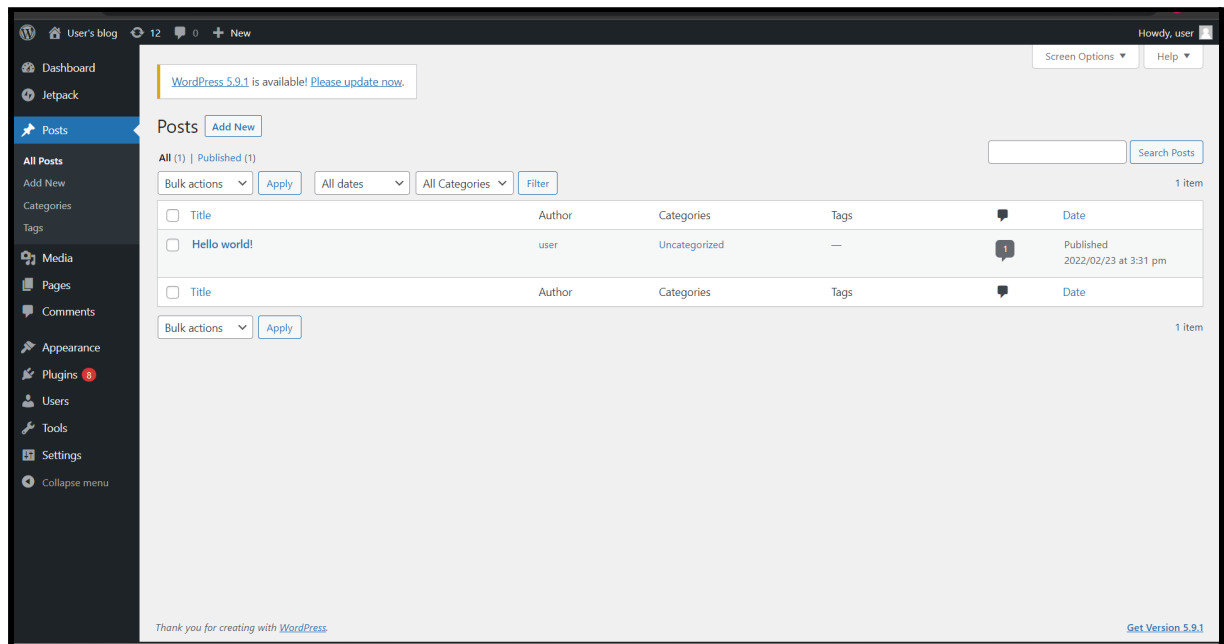


## Step 15:

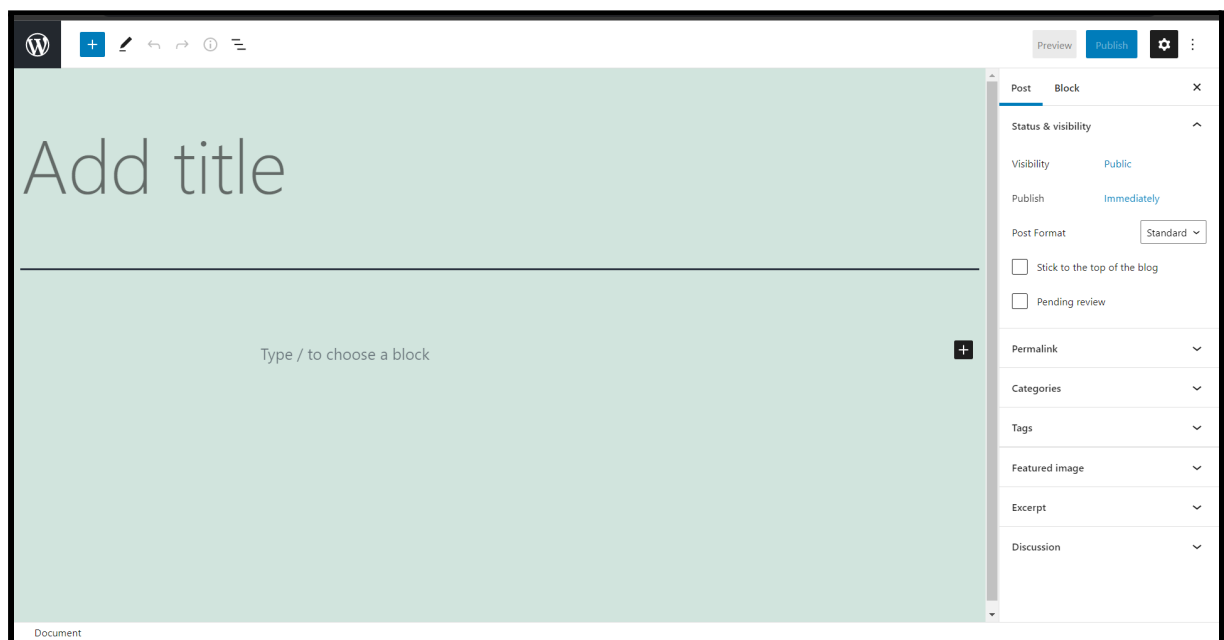




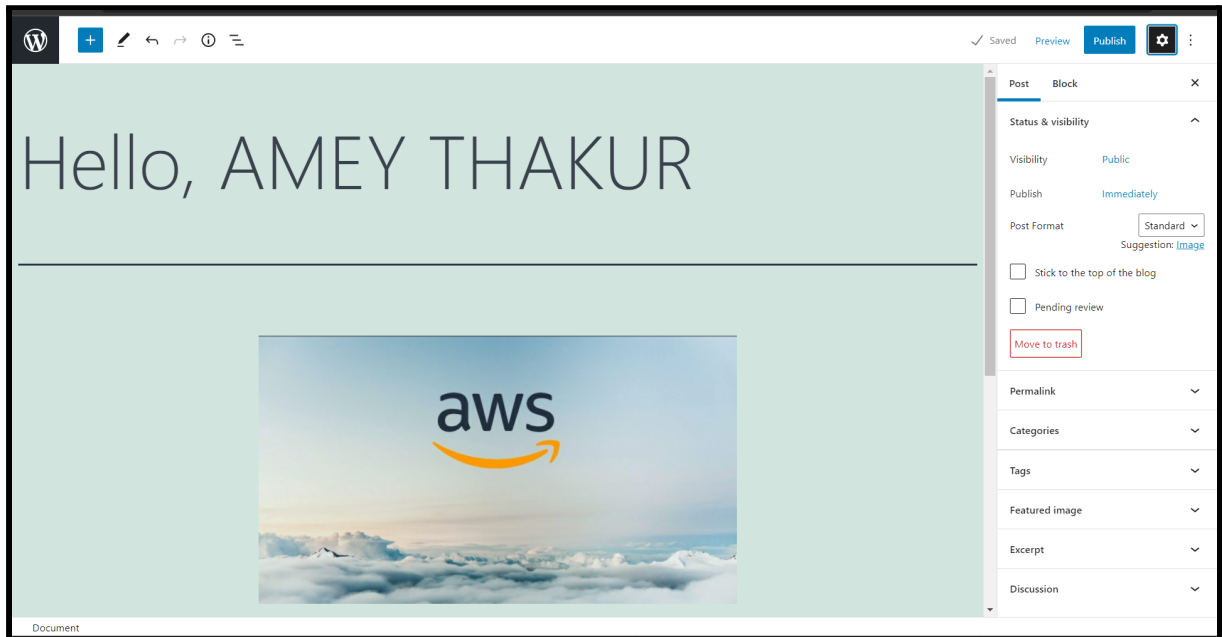
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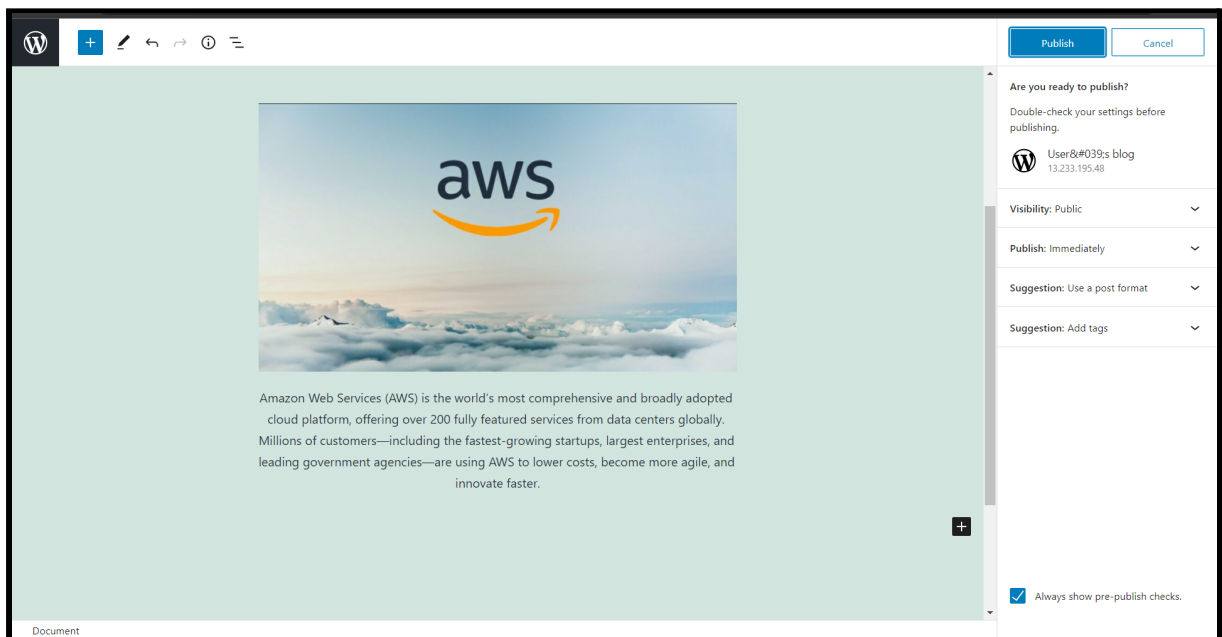
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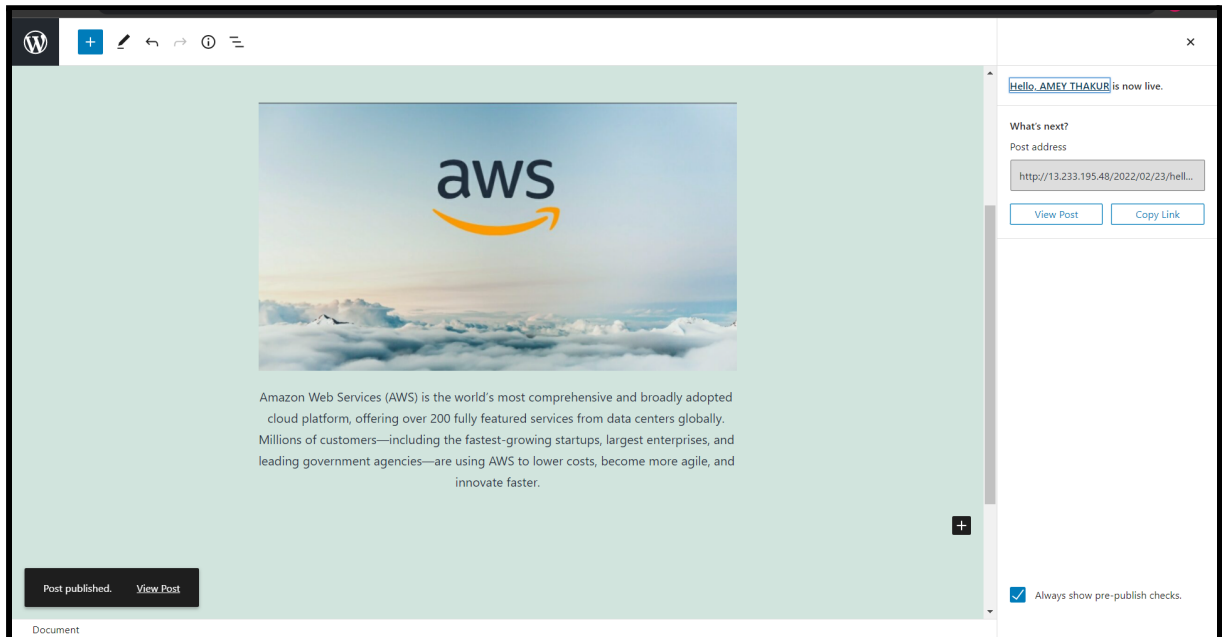
## Step 18:



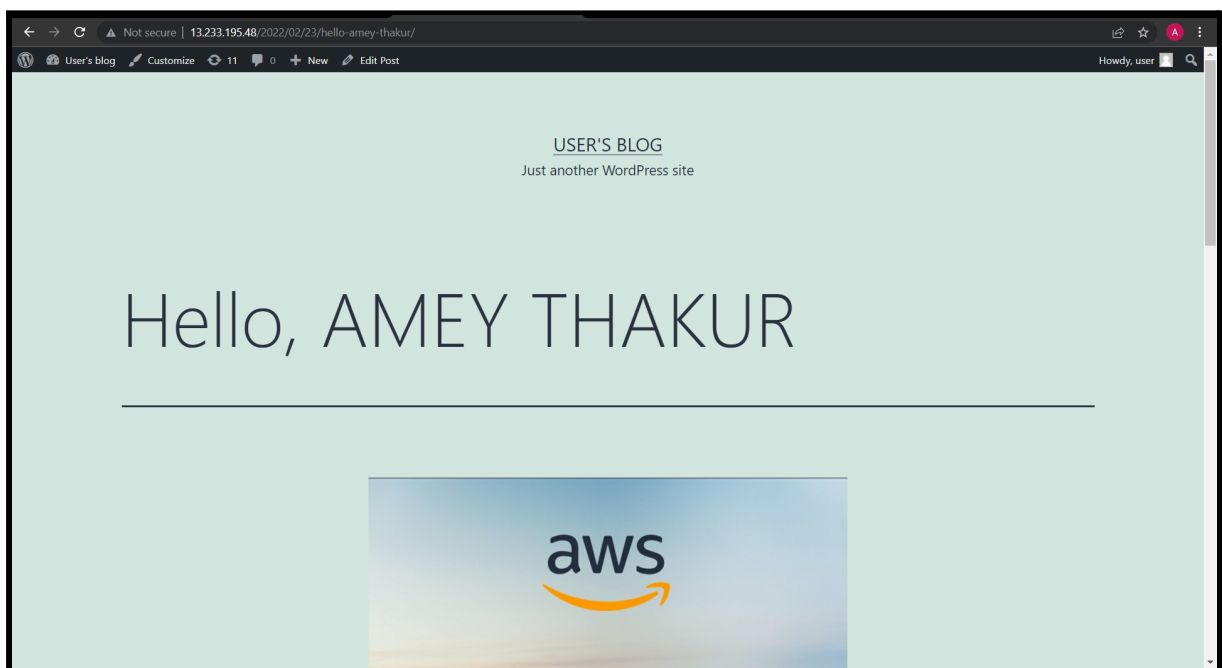
## Step 19:



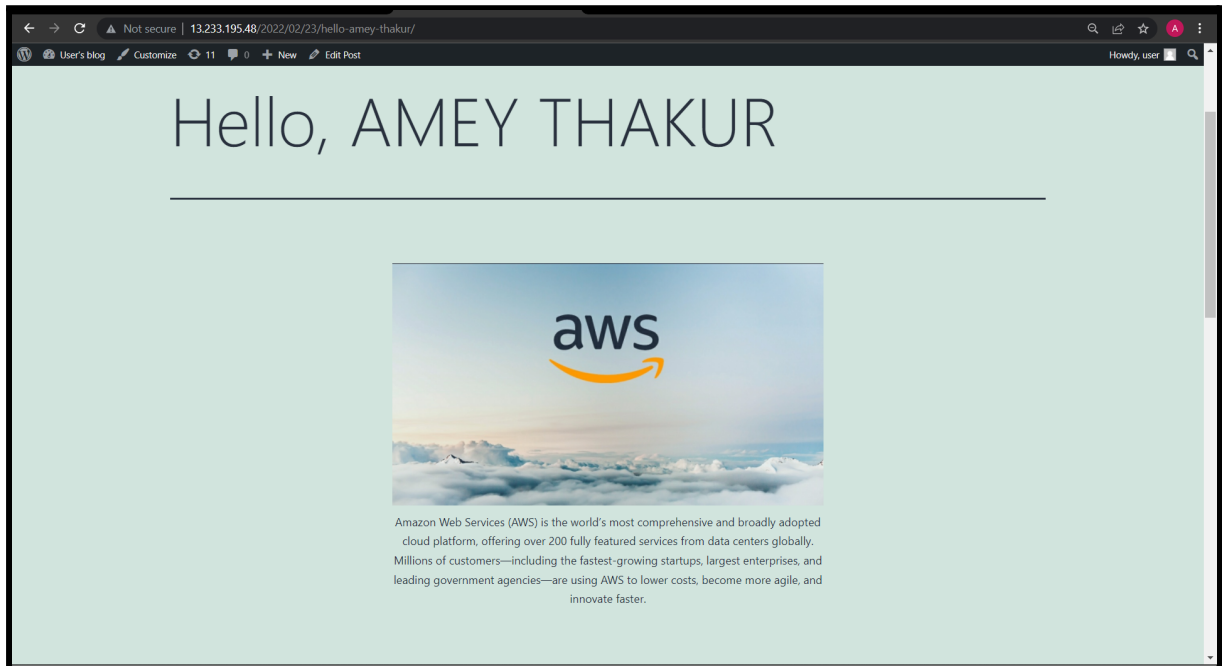
## Step 20:



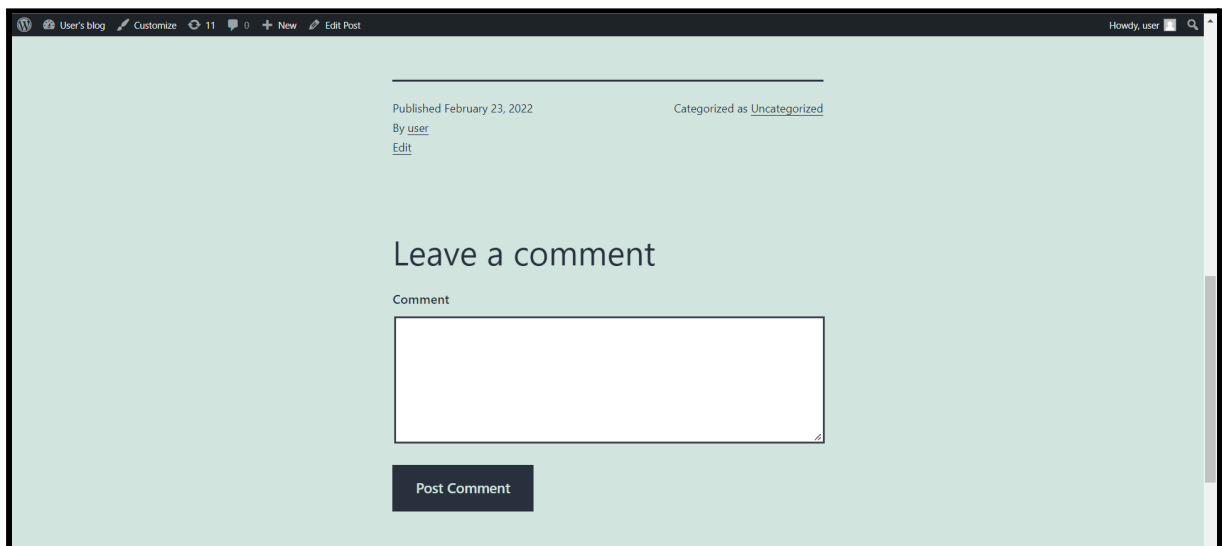
## Step 21:



## Step 22:



## Step 23:



## **B.2 Conclusion:**

We can deploy a WordPress-created website on a commercial cloud using the AWS Light sail service.