Monolithic

1) Launch a single EC2 instance with the desired instance type (t2.micro) and AMI (Ubuntu) and enable all traffic.

	Name ✎	▽	Instance ID	Instance state ▽	Instance type ▽	Status check	Alarm status	Availability Zone
☑	Monolithic		i-050056f61313d8c0c	⊘ Running ⊕ ⊖	t2.micro	⏱ Initializing	No alarms ＋	us-east-1b

Instances (1/1) Info — Connect — Instance state ▼ — Actions ▼ — **Launch instances**

Instance: i-050056f61313d8c0c (Monolithic)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

▼ **Instance summary** Info

Instance ID
📋 i-050056f61313d8c0c (Monolithic)

Public IPv4 address
📋 23.22.224.37 |open address ↗

Private IPv4 addresses
📋 172.31.45.64

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
📋 ec2-23-22-224-37.compute-1.amazonaws.com |open address ↗

Hostname type

Private IP DNS name (IPv4 only)

2)To keep a static IP address, we will create an Elastic IP address and associate it

⊘ **Elastic IP address allocated successfully.**
   Elastic IP address 54.146.213.80   **Associate this Elastic IP address**   ✕

Elastic IP addresses (1/1)   Actions ▲   **Allocate Elastic IP address**

Filter Elastic IP addresses

Public IPv4 address: 54.146.213.80 ✕ | Clear filters

Actions menu:
- View details
- Release Elastic IP addresses
- Associate Elastic IP address
- Disassociate Elastic IP address
- Update reverse DNS
- Enable transfers
- Disable transfers
- Accept transfers

	Name	▽	Allocated IPv4 addr... ▽	Type	▽	Allocation ID
☑	–		54.146.213.80	Public IP		eipalloc-07daf4b26

3) Use Putty to sign in to the instance using the key created during instance.

4) update and install mysql along with apache2 web server.
        sudo apt update
        sudo apt install apache2 php libapache2-mod-php php-mysql mysql-server -y

5)Login to MySQL server
        sudo mysql -u root

6) Create a new database.
CREATE DATABASE wordpress;

7)Create a user and set a password:
CREATE USER 'ubuntu'@'localhost' IDENTIFIED BY 'Intern@1';

8)Grant the user permissions on the database and apply the changes.
GRANT ALL PRIVILEGES ON wordpress.* TO 'ubuntu'@'localhost';
FLUSH PRIVILEGES;

9) select the wordpress database to confirm if the database is created
USE wordpress;
SELECT DATABASE();
exit

```
mysql> SELECT DATABASE();
+------------+
| DATABASE() |
+------------+
| wordpress  |
+------------+
1 row in set (0.00 sec)
```

10) Install wordpress (download and extract)
Download WordPress: wget https://wordpress.org/latest.tar.gz
Extract: tar -xvzf latest.tar.gz

```
ubuntu@ip-172-31-45-64:~$ ls
latest.tar.gz   wordpress
```
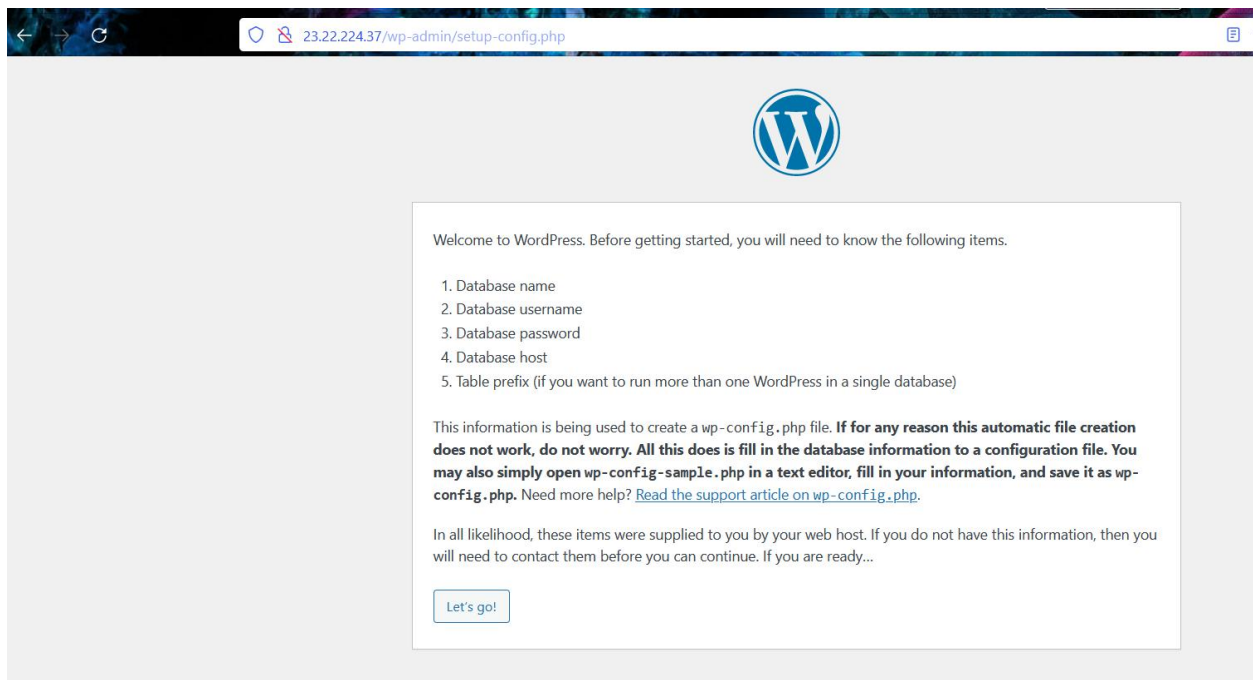
11)Move files to the web server directory
sudo mv wordpress/* /var/www/html/

```
ubuntu@ip-172-31-45-64:/var/www/html$ ls
index.html        wp-admin              wp-cron.php        wp-mail.php
index.php         wp-blog-header.php    wp-includes        wp-settings.php
license.txt       wp-comments-post.php  wp-links-opml.php  wp-signup.php
readme.html       wp-config-sample.php  wp-load.php        wp-trackback.php
wp-activate.php   wp-content            wp-login.php       xmlrpc.php
```

12) remove the index.html file as that would open the apache2 default page
sudo rm -rf index.html
Enter the public IP in the URL of the browser to get the word press site

23.22.224.37/wp-admin/setup-config.php

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!

13) You can enter the same details that you have used earlier to create the database or you can directly edit the wp-config.php file

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
ubuntu
Your database username.

Password
Intern@1   Hide
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

```
  GNU nano 6.2                                                              wp-config.php *
/**
 * The base configuration for WordPress
 *
 * The wp-config.php creation script uses this file during the installation.
 * You don't have to use the web site, you can copy this file to "wp-config.php"
 * and fill in the values.
 *
 * This file contains the following configurations:
 *
 * * Database settings
 * * Secret keys
 * * Database table prefix
 * * ABSPATH
 *
 * @link https://wordpress.org/documentation/article/editing-wp-config-php/
 *
 * @package WordPress
 */

// ** Database settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define( 'DB_NAME', 'wordpress' );

/** Database username */
define( 'DB_USER', 'ubuntu' );

/** Database password */
define( 'DB_PASSWORD', 'Intern@1' );

/** Database hostname */
define( 'DB_HOST', 'localhost' );

/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8mb4' );

/** The database collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );

/**#@+
^G Help          ^O Write Out     ^W Where Is     ^K Cut          ^T Execute      ^C Location     M-U Und
^X Exit          ^R Read File     ^\ Replace      ^U Paste        ^J Justify      ^/ Go To Line   M-E Red
```

14)Once done you can enter the Site title and the username to set up the wordpress site.

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 Internship

Username intern
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password intern   👁 Hide
Very 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 intern@intern.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

15) Sample wordpress website

Internship project