

# Report

A report on the task given to us Cloud AWS Intern

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Cloud(AWS) Week 1 Task:

- ❖ Prerequisites: Create your free-tier AWS account.

- ❖ Task: Deploy application in monolithic and microservices architecture.

- ❖ Description: For monolithic : 1 EC2 instance, deploy wordpress and MYSQL on the same instances.

For microservices: 2 EC2 instances, 1 for wordpress and 1 for MYSQL.

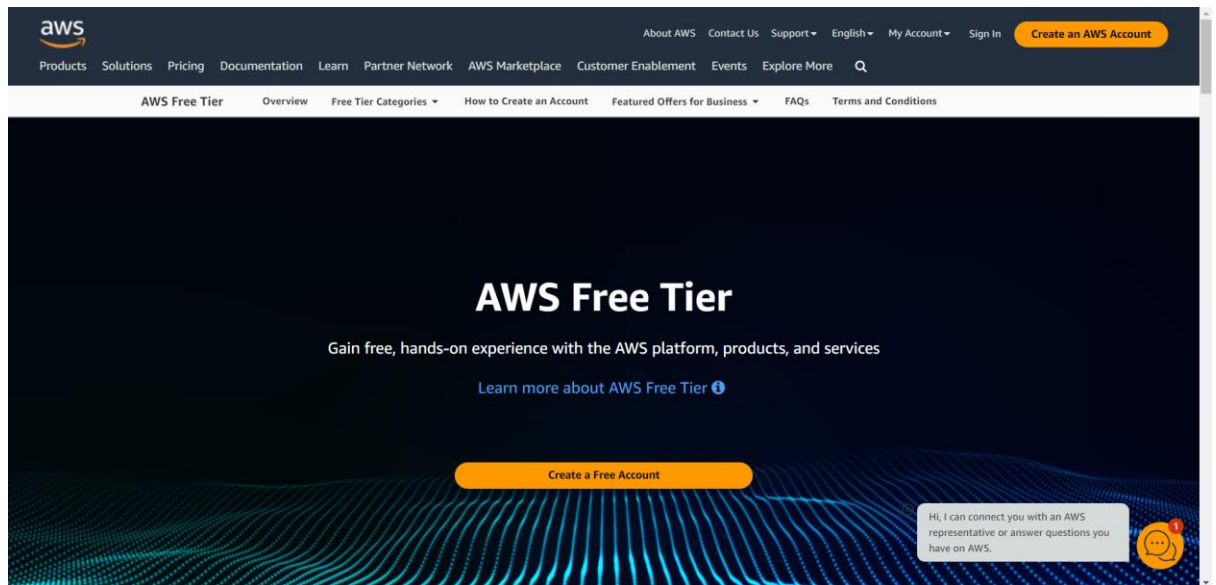
Configure the necessary security group for the instances.

EC2 instance type: t2-micro, AMI: ubuntu-\*

Create a welcome page in wordpress that will be the homepage

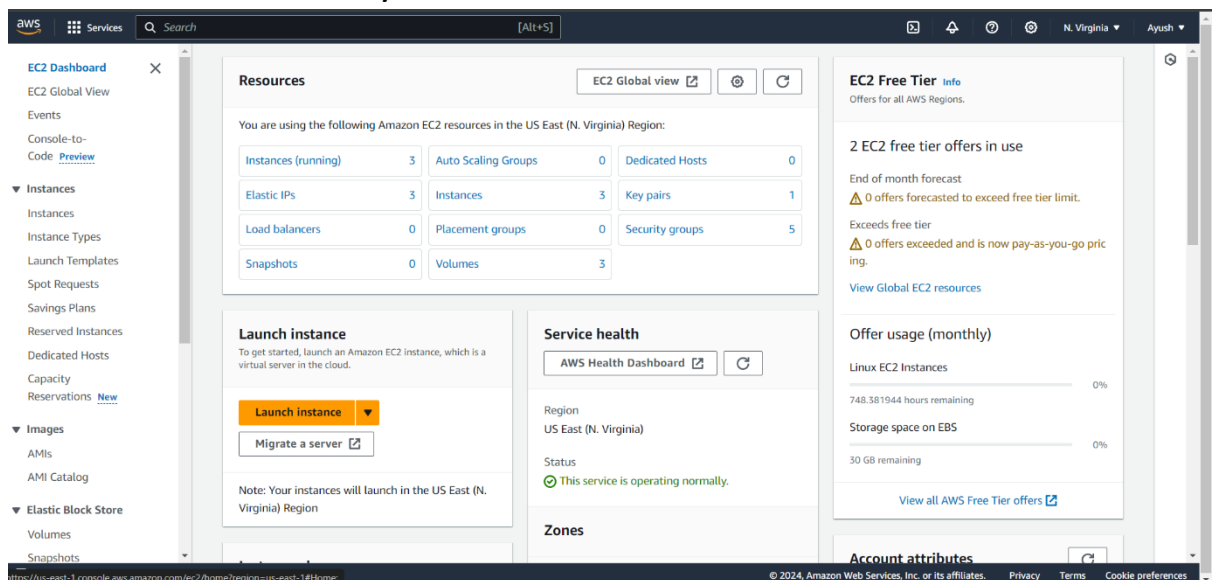
So this was the tasks given to us in the 1<sup>st</sup> week

1. At first I went to AWS free tier for creation of account

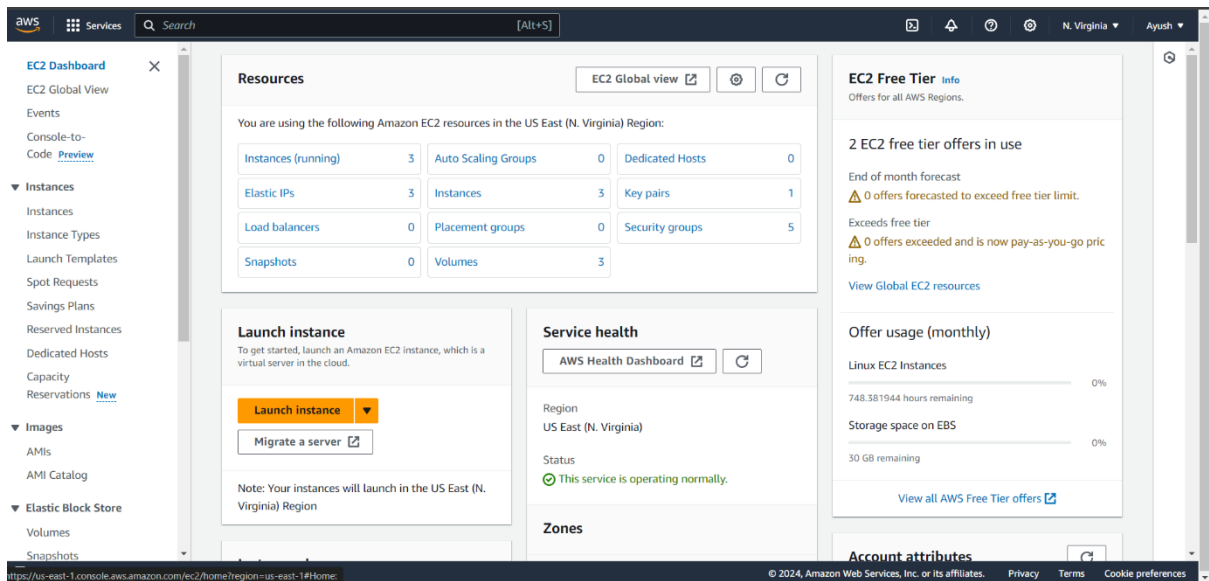


2. There I have created a free AWS account

3. Then I started with my AWS Free tier

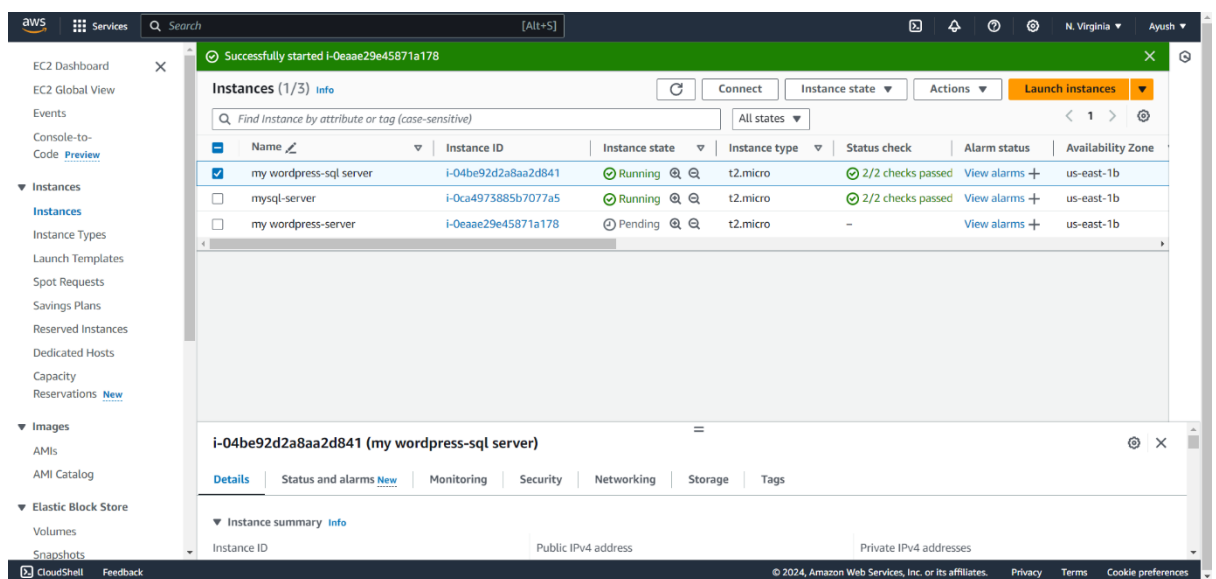


4. After that I started with AWS EC2 Service

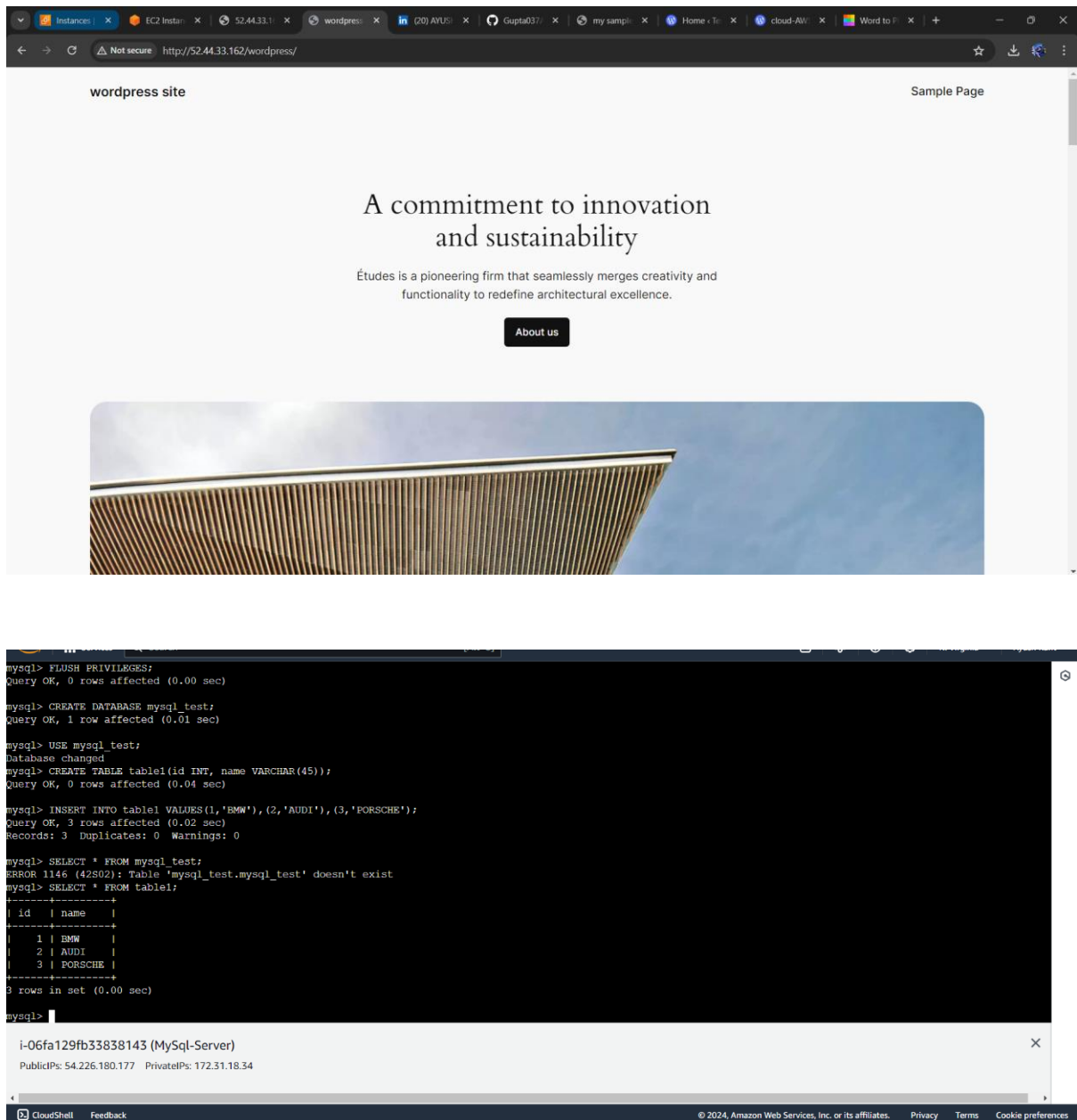


5. On EC2 we have to deploy Wordpress and Mysql

6. So at first I have created an instance on EC2 for monolithic where on the same instance MySQL and WordPress was deployed.



## 7. And this was the wordpress webpage and my sql server



The image shows two screenshots. The top screenshot is a web browser displaying a WordPress site at <http://52.44.33.162/wordpress/>. The page has a header with "wordpress site" on the left and "Sample Page" on the right. The main content area features the heading "A commitment to innovation and sustainability" and a subheading "Études is a pioneering firm that seamlessly merges creativity and functionality to redefine architectural excellence." Below this is an "About us" button and a large image of a modern building's facade.

The bottom screenshot is a terminal window showing MySQL commands and output. The commands executed are:

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

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

mysql> USE mysql_test;
Database changed
mysql> CREATE TABLE table1(id INT, name VARCHAR(45));
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO table1 VALUES(1,'BMW'),(2,'AUDI'),(3,'PORSCH');
Query OK, 3 rows affected (0.02 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM mysql_test;
ERROR 1146 (42S02): Table 'mysql_test.mysql_test' doesn't exist
mysql> SELECT * FROM table1;
```

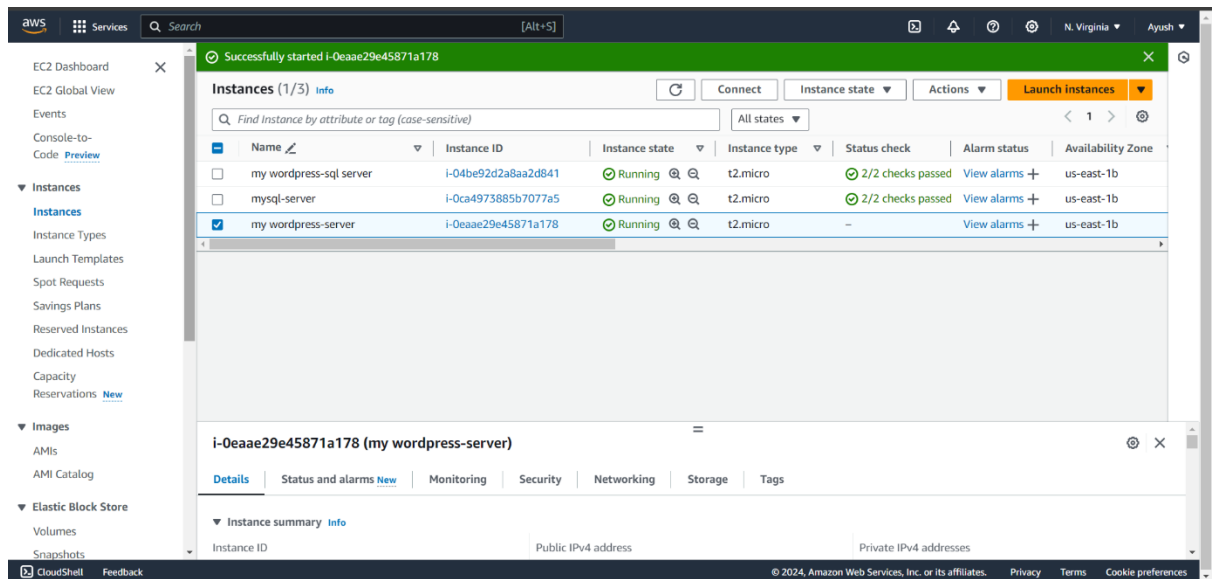
The output of the last query is shown as a table:

| id | name   |
|----|--------|
| 1  | BMW    |
| 2  | AUDI   |
| 3  | PORSCH |

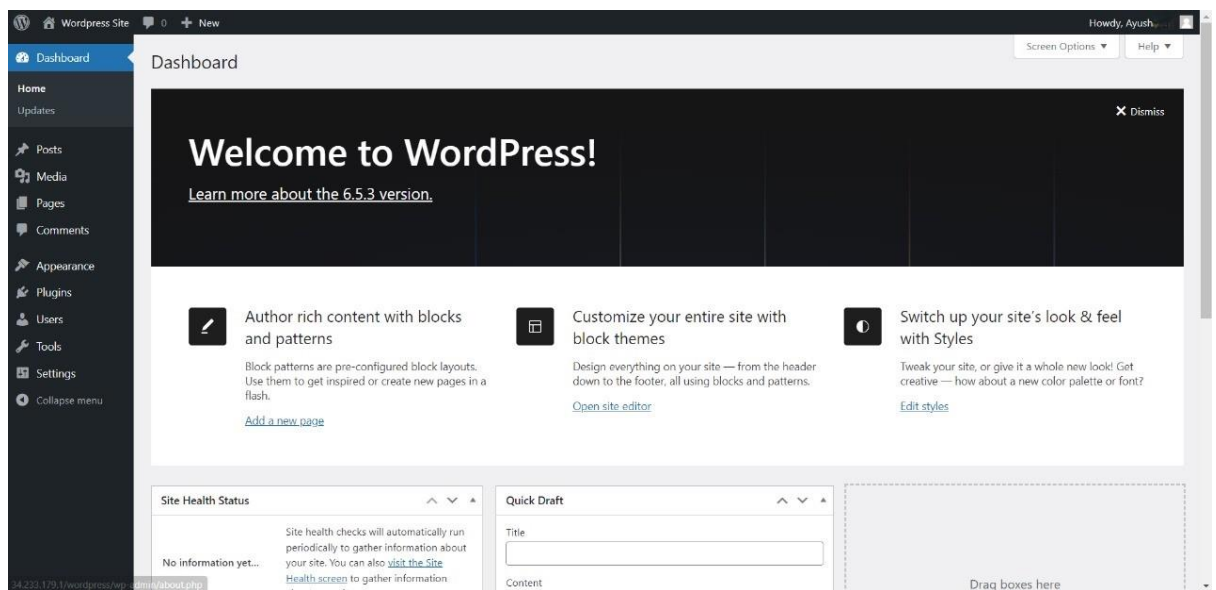
The terminal window also shows the instance ID "i-06fa129fb33838143 (MySQL-Server)" and the public/private IP addresses "PublicIPs: 54.226.180.177 PrivateIPs: 172.31.18.34".

## 8. Then for Microservices I have created two EC2 Instances and deployed mysql and wordpress on both.

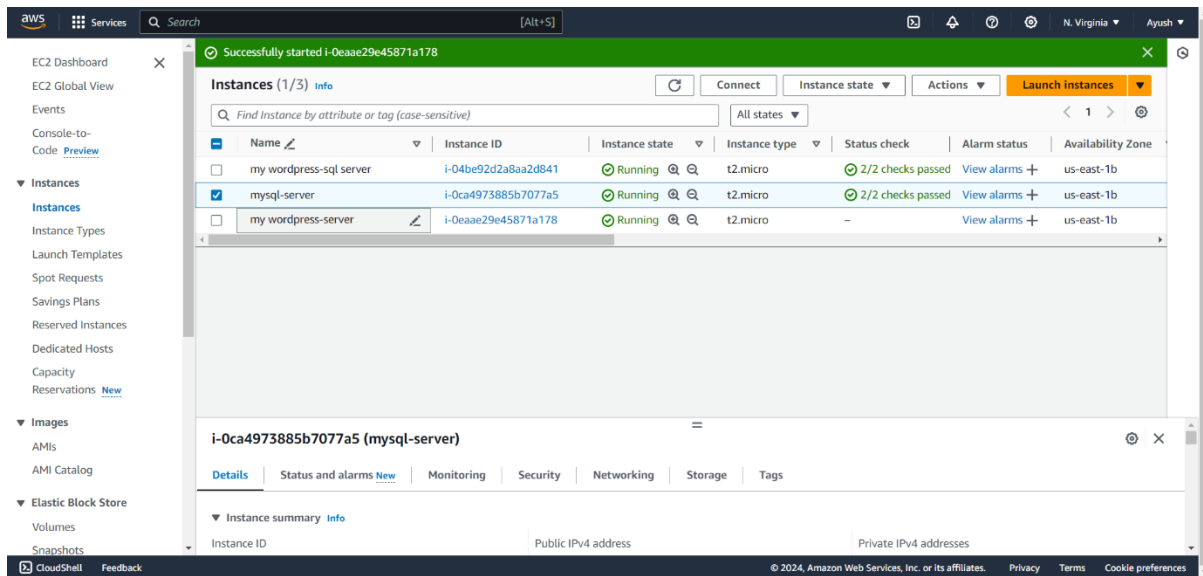
## 9. Here is the instance for wordpress



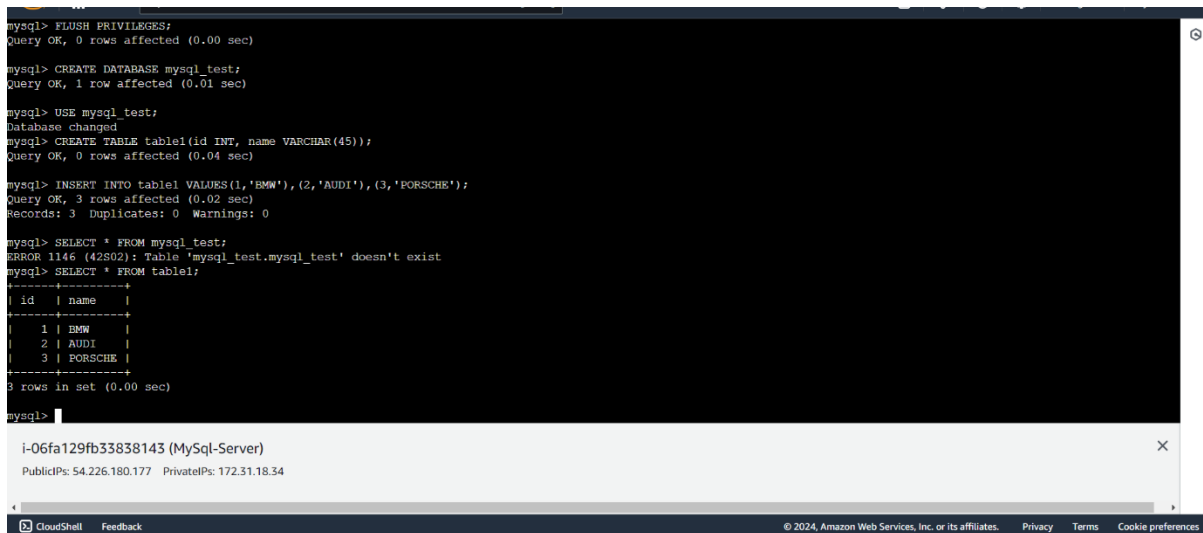
And this is the webpage



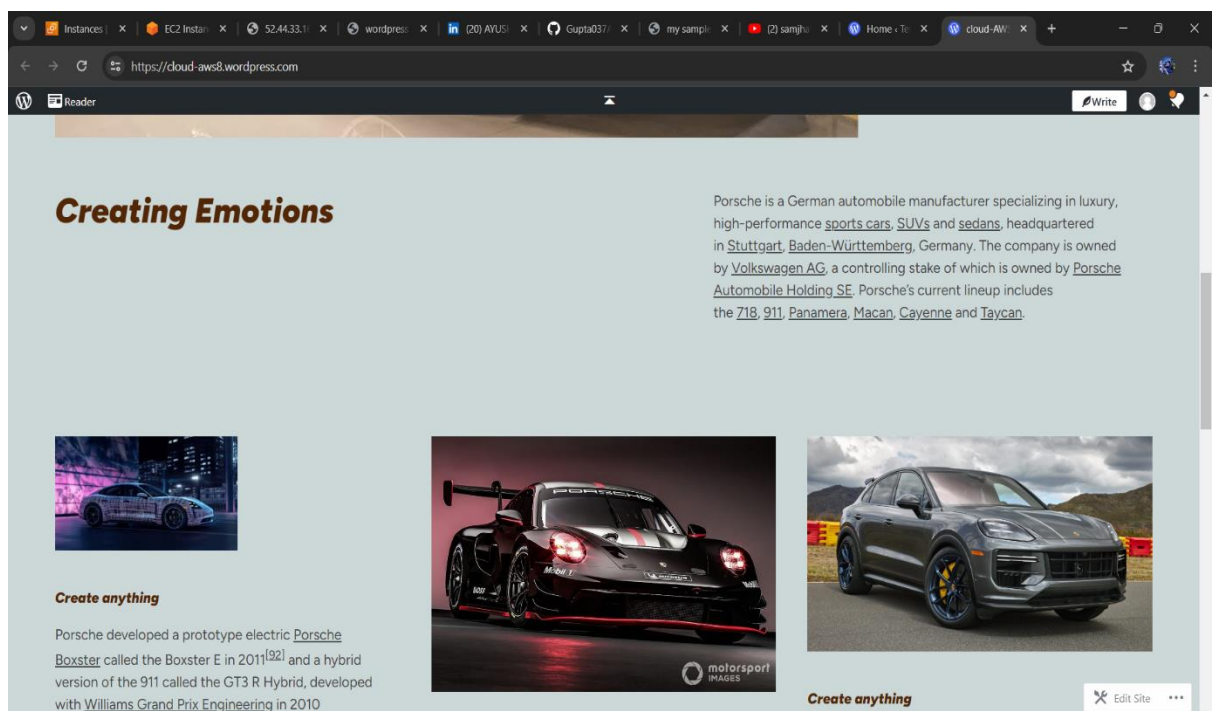
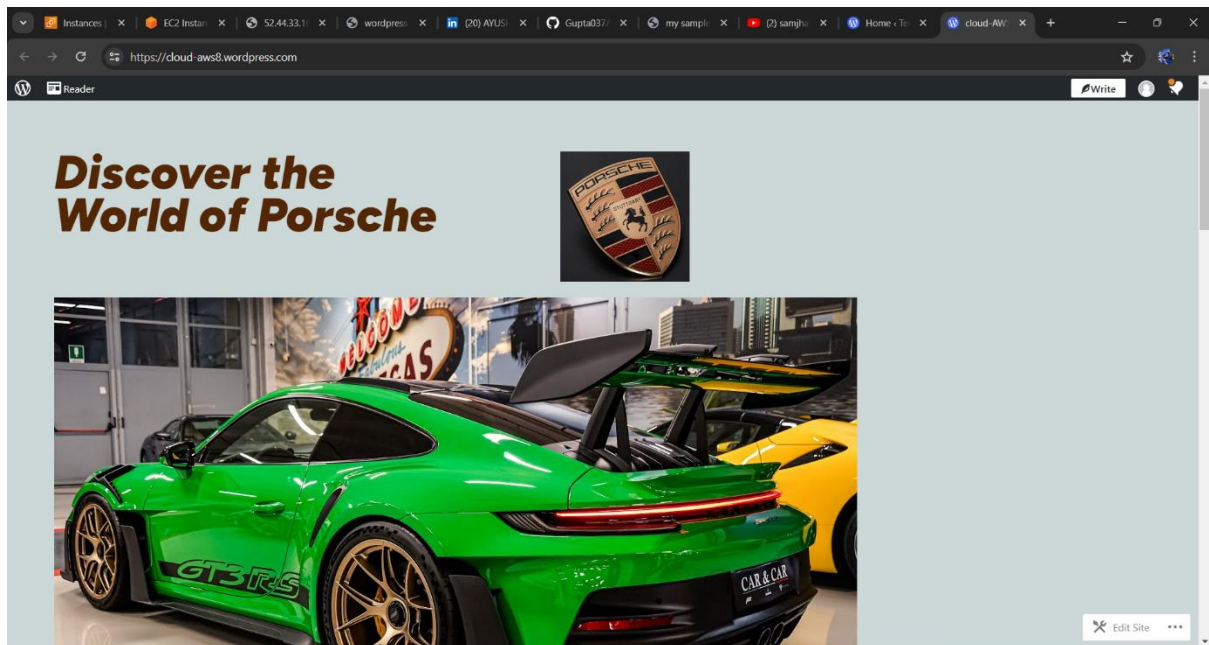
## 10. Here is the instance for MySQL server



## And this is the Deployed MySQL Server



## 11. And now my Welcome page on worpress



Link to my Page : <https://cloud-aws8.wordpress.com/>