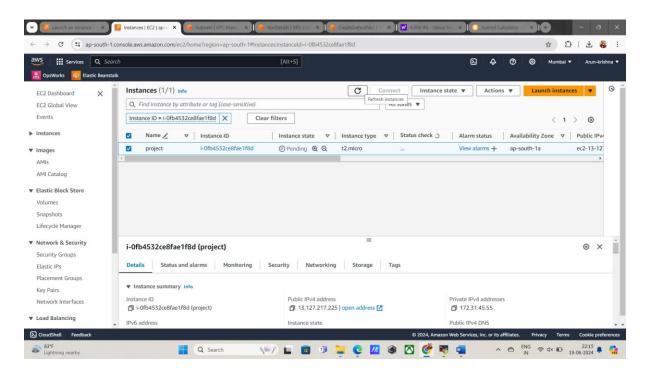
Amazon Elastic Compute Cloud (Amazon EC2) provides scalable computing capacity in the Amazon Web Services (AWS) cloud. Using Amazon EC2 eliminates your need to invest in hardware up front so you can develop and deploy applications faster. You can use Amazon EC2 to launch as many or as few virtual servers as you need, configure security and networking, and manage storage. Amazon EC2 enables you to scale up or down to handle changes in requirements or spikes in popularity, reducing your need to forecast traffic. Problem Statement: Company ABC wants to move their product to AWS. They have the following things set up right now:

- 1. MySQL DB
- 2. Website (PHP) The company wants high availability on this product, therefore wants Auto Scaling to be enabled on this website.

Steps To Solve: 1. Launch an EC2 Instance

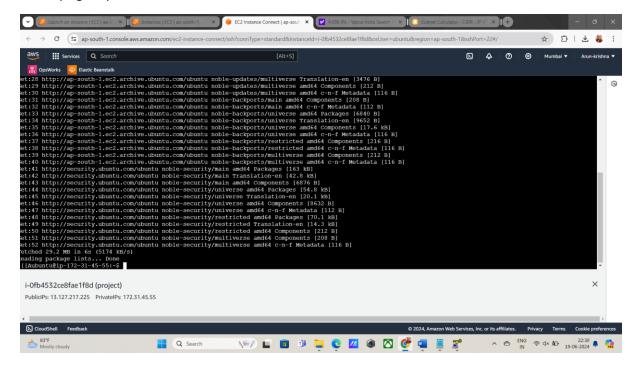
- 2. Enable Auto Scaling on these instances (minimum 2)
- 3. Create an RDS Instance
- 4. Create Database & Table in RDS instance:
- a. Database name: intel
- b. Table name: data
- c. Database password: intel123
- 5. Change hostname in website
- 6. Allow traffic from EC2 to RDS instance
- 7. Allow all-traffic to EC2 instance

Create instance take ubuntu machine



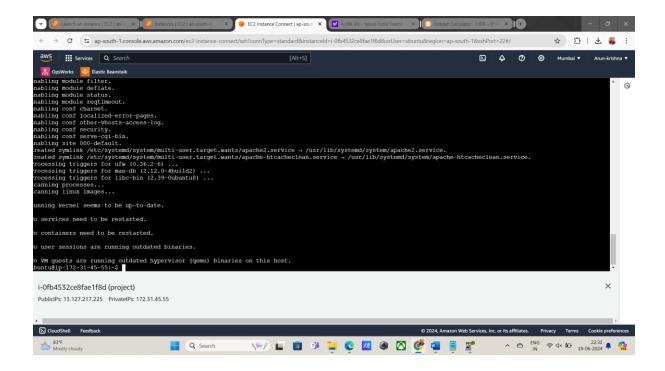
First Update your system using the command

sudo apt-get update



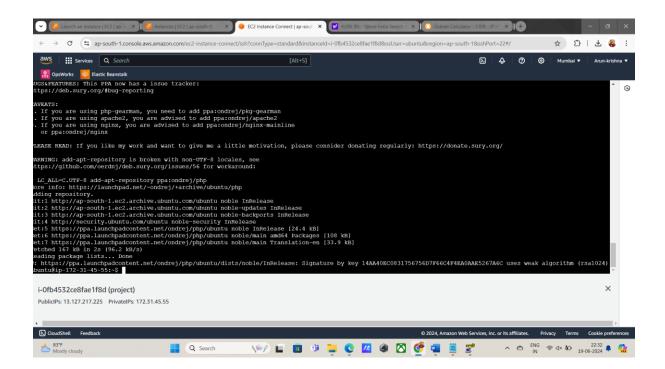
Then use this command to install Apache2

sudo apt-get install apache2



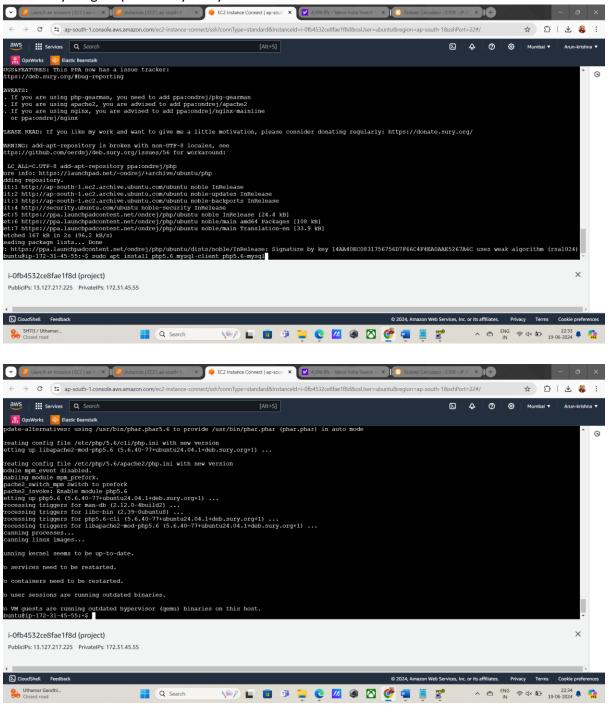
Then install php-mysql using the following command

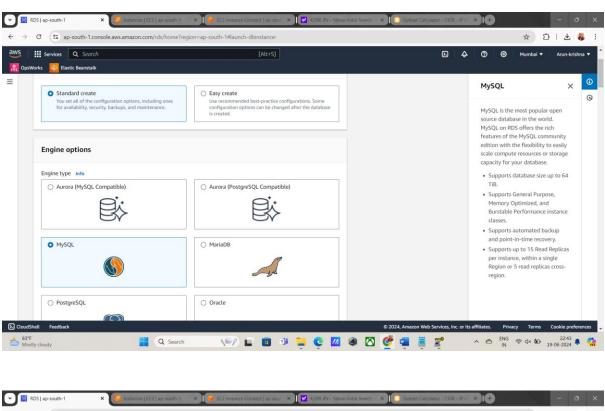
sudo add-apt-repository -y ppa:ondrej/php

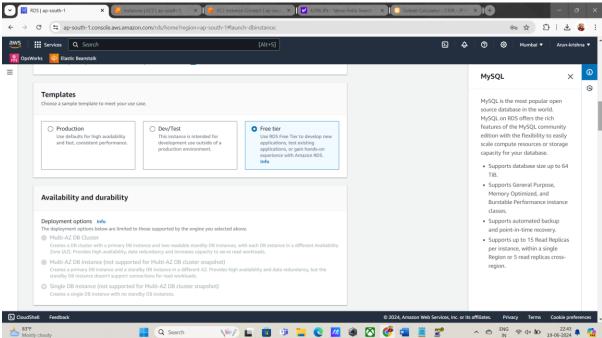


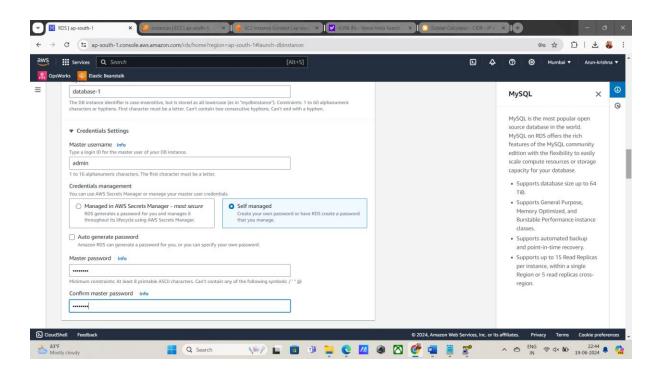
sudo apt install php5.6 mysql-client php5.6-mysqli

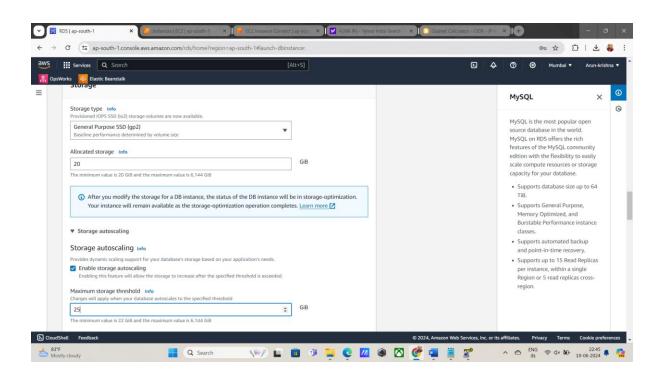
Now everything is updated in your system

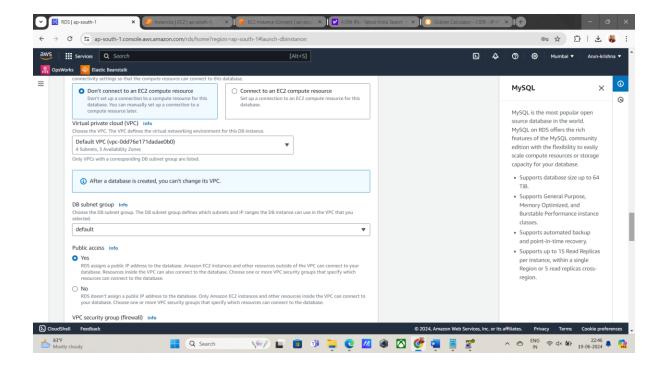


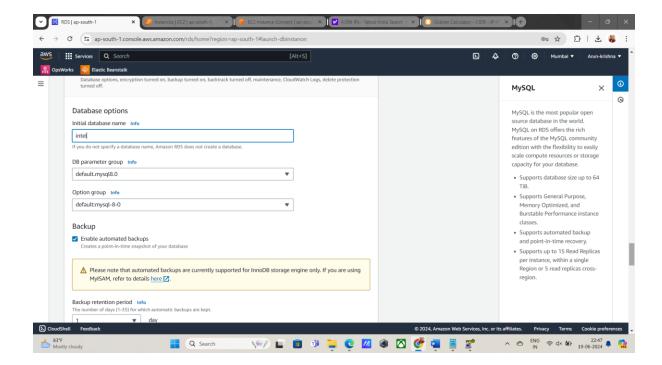






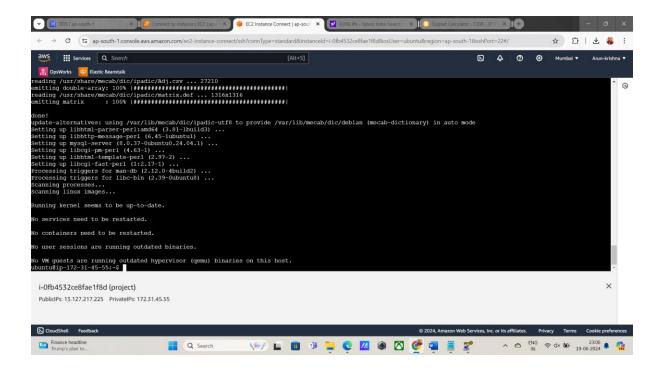






Now install mysql by using command:

sudo apt install mysgl-server



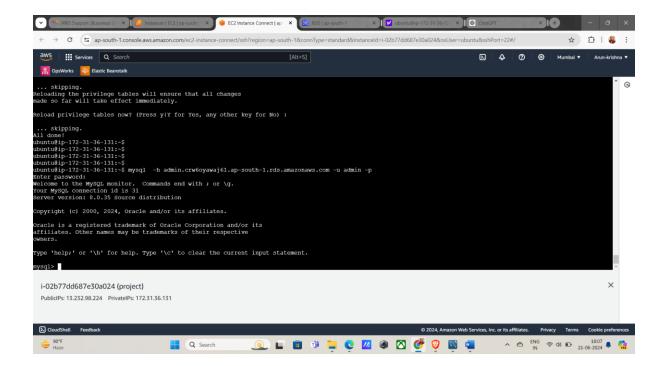
mysql -h Hostname -u username -p

mysql -h database-1.crw6oyawaj61.ap-south-1.rds.amazonaws.com -u intel -p

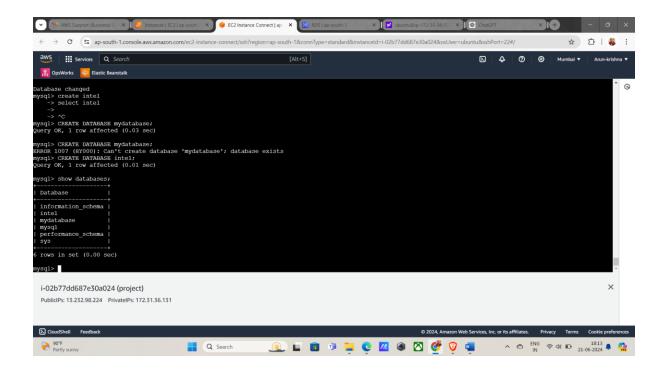
NOTE:

o In place of hostname, make sure to use your Endpoint from RDS

o Username which you created



To check the entry in database used following commands to see database---show databases;
to select database---- use databasename;
to see tables or data
select * from data;



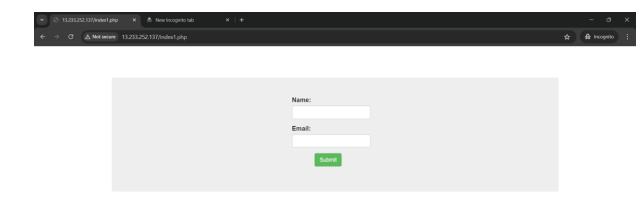
Syntax of creating table

CREATE TABLE table_name

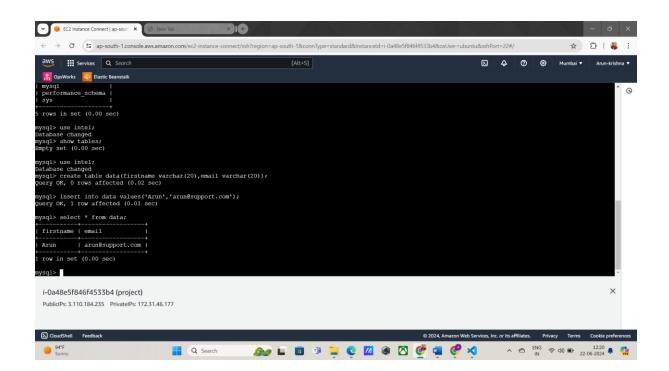
(column1 datatype,
column2 datatype,
);

Create table
intel.data (firstname varchar(30) not null,

Email varchar(30) not null };







I don't have to buy money to domain name but I give the explanation in the steps:

- Log into your GoDaddy account.
- Go to the "My Products" section and select "Manage DNS" for your domain.

• Edit DNS Settings:

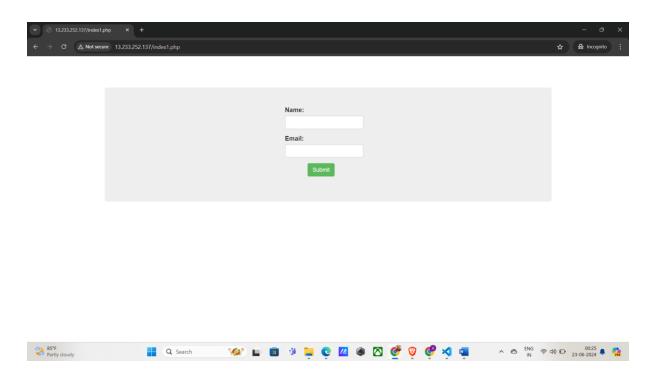
- In the DNS management section, you will need to update the A record.
- Find the A record section and edit it.

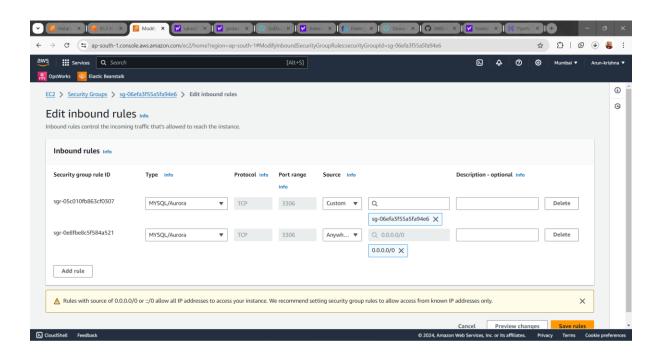
• Link to EC2 Instance:

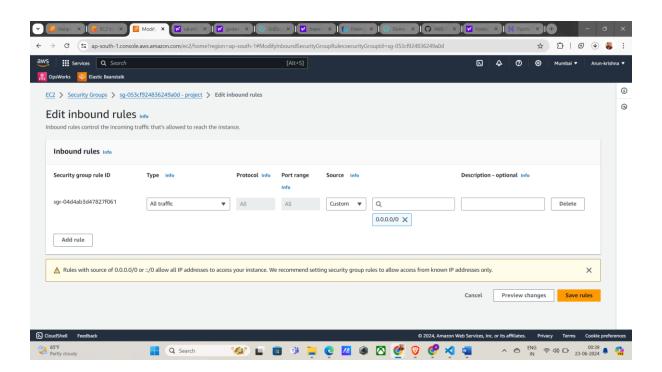
- In the "Points to" field of the A record, enter the public IP address of your EC2 instance
- Save the changes.

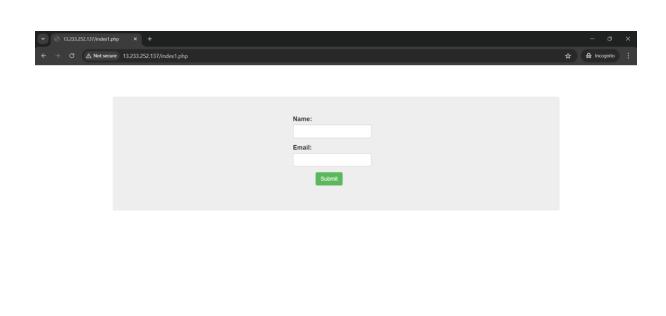
• Wait for DNS Propagation:

- DNS changes might take a few minutes to several hours to propagate worldwide.
- After propagation, refreshing your browser should show your website hosted on the EC2 instance with the new domain name.









Q Search W I I I V A COLOR A C

85°F Partly cloudy