Computer Science & Engineering Department
National Institute of Technology, Delhi

ASSIGNMENT

NETWORK PROGRAMMING

SUBMITTED TO: **SUBMITTED BY:**

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NIT DELHI   CSE - 3RD YEAR

CLOUD SERVICE USED : AMAZON WEB SERVICES - **LIGHTSAIL**

REASON FOR USING LIGHTSAIL SERVICE:

➢ Lightsail is the easiest way to get started with AWS for developers, students, and other users who need a simple virtual private server (VPS) solution. So, It was serving the requirement needed for assignment.

➢ Here, We can get preconfigured virtual private server plans that include everything to easily deploy and manage our application. Lightsail is best suited to projects that require a few virtual private servers and users who prefer a simple management interface.

➢ Common use cases for Lightsail include running websites, web applications, blogs, e-commerce sites, simple software, and more.

➢ Lightsail includes everything you need to launch your project quickly – a virtual machine, SSD-based storage, data transfer, DNS management, and a static IP. All these things can be set by using the few simple clicks and launching it was way much easier.

➢ As, I wanted to use the service temporarily, so the free 1 month tier helped me.

What is Lightsail ?

➢ A Lightsail instance is a virtual private server (VPS) that lives in the AWS Cloud.

➢ Use your Lightsail instances to store our data, run our code, and build web-based applications or websites.

➢ The instances created by user can connect to each other and to other AWS resources through both public (Internet) and private (VPC) networking.

➢ We can create, manage, and connect easily to instances right from the Lightsail console.

FIG-1: Proof that account has been created.

FIG-2: Proof that Amazon Lightsail service is used.

FIG-3(a): Lightsail Instance Creation Step-1

FIG-3(b): Lightsail Instance Creation Step-2

FIG-3(c): Lightsail Instance Creation Step-3

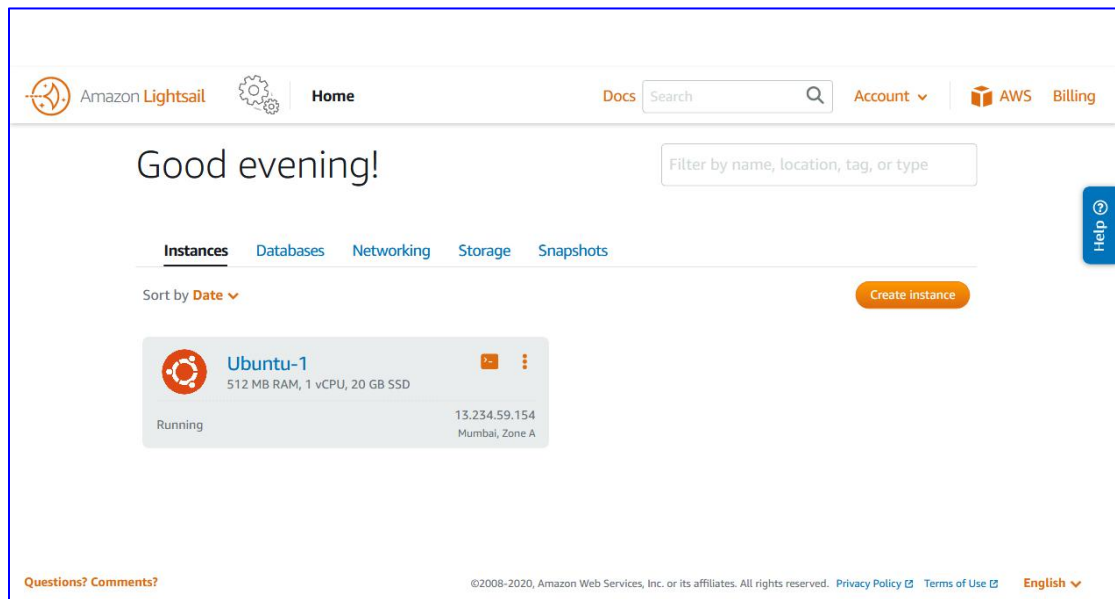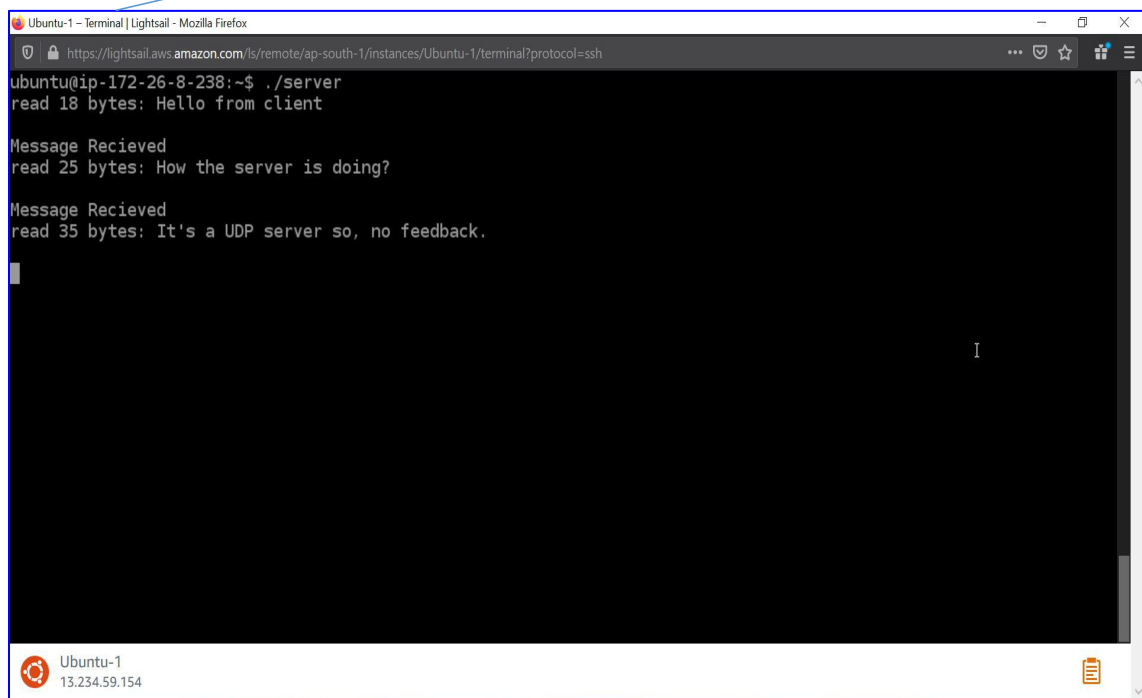**FIG-3(c): Lightsail Instance Creation Step-4**

FIG-4: Shows Lightsail Instance in Running State

OUTPUT:

Shows lightsail terminal is opened in firefox.

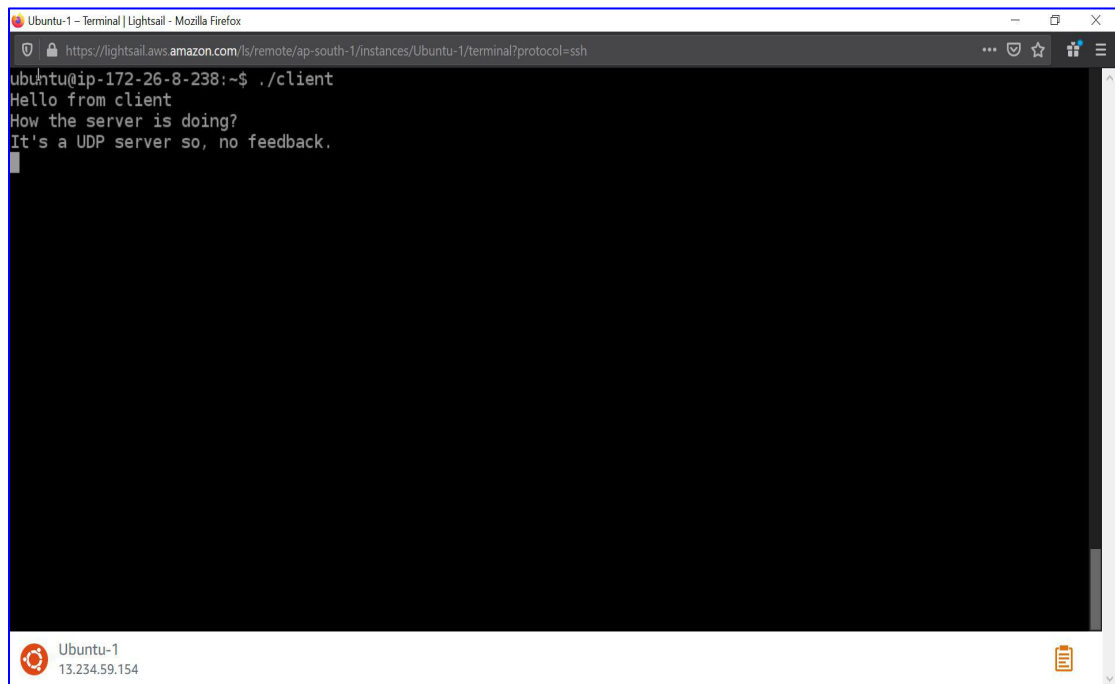Shows, this server is running on Ubuntu which has public I/p mentioned.

FIG-5: Server output in Lightsail Terminal

FIG-6: Client output in Lightsail Terminal