**AWS ASSIGNMENTS**

**Q1)** Launch t2.micro instance and install httpd server on it with custom html page saying “Welcome to my page” using user data script. Access the same on your browser.

Graphical user interface, application

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

**Q2)** a) Launch another t2.micro instance and host the following website on it

<https://github.com/arvind37/Basic-Website-using-HTML-CSS> .

b) Create a network load balancer to distribute traffic between the instance created

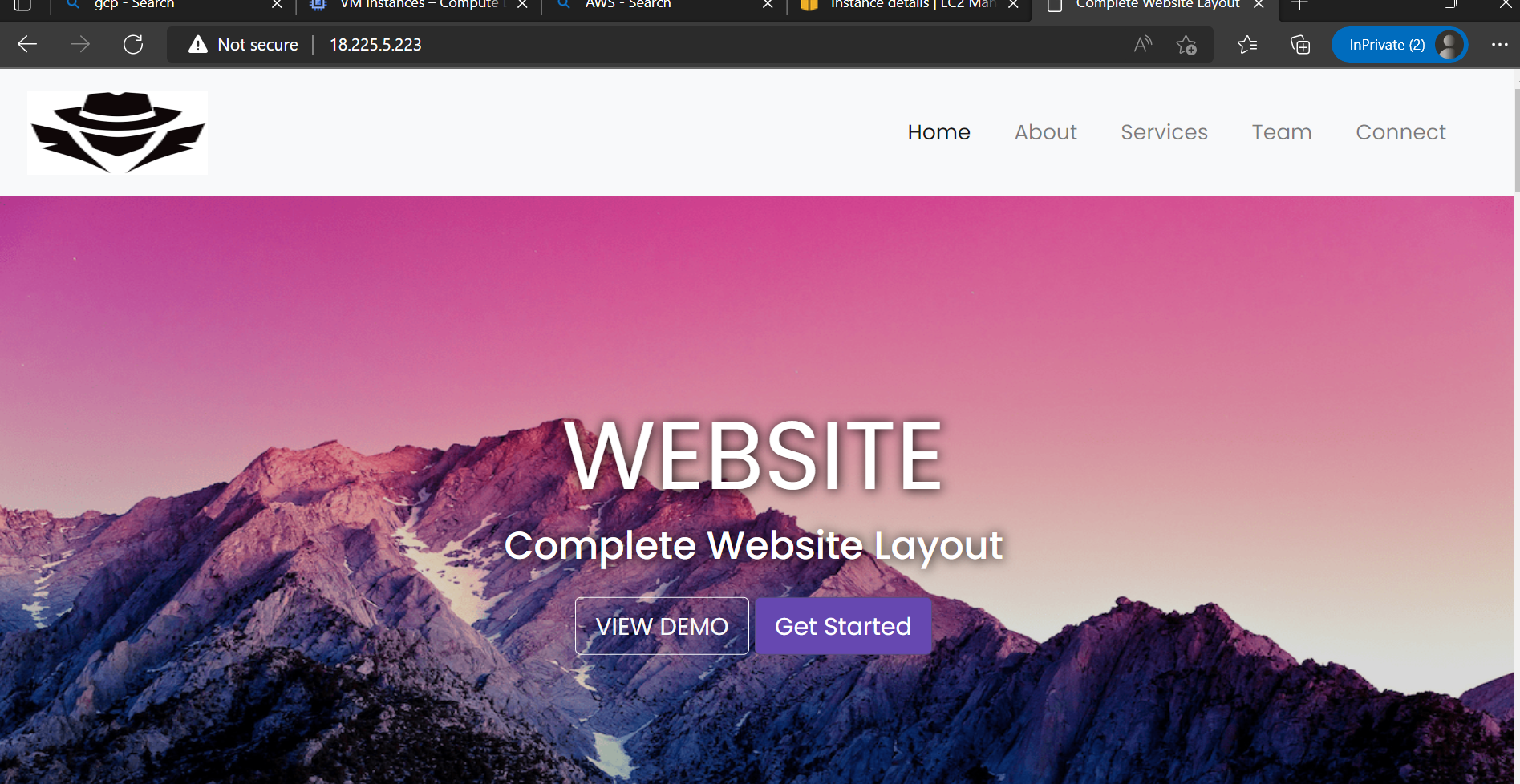
in Q1) and Q2).

A screenshot of a computer

Description automatically generated

Text

Description automatically generated



**Q3)** Create an EFS and mount on it to both the above created instances, create a file in one instance with some data which would be viewable on the other instance.

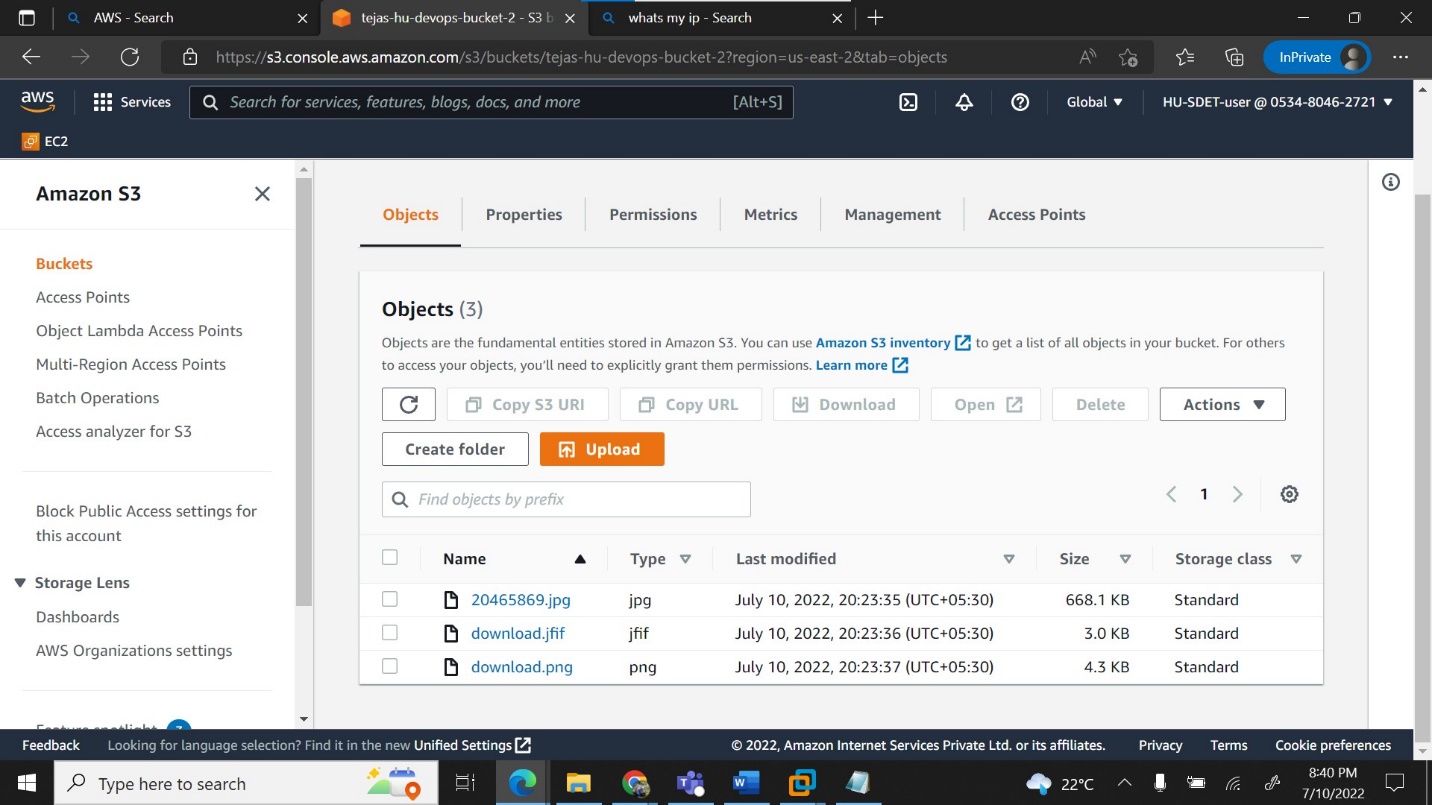
**Q4)** a). Create an s3 bucket with naming convention <your\_name>\_hu\_devops\_bucket,

upload some files into. Now from your ec2 machine(Created in Q1 or Q2) list

contents of the bucket

b). Now create a lambda function such that when you delete the file in the bucket it

trigger the function and displays “The file is deleted message” in the cloudwatch logs.

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**Q5)** a). Create an AWS EBS volume of 15 GB and attached it to the instance created in Q1)

mount it properly on the location /<-your-name> and put some sample data into the mounting permanent

b). Increase the existing EBS volume size to 20 GB and verify the changes.

Graphical user interface, website

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A screenshot of a computer

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6. **Q6)** a) Launch RDS Instance - MySQL - db.m5.large. Do a telnet & check the connection from instance launched in Q1.

Graphical user interface, website

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7) Create a lambda function and Integrate with Rest API Gateway.

a)Test the code in lambda function test events.

b)And test the get method in API Gateway

Graphical user interface, text

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Graphical user interface, text

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