

PES UNIVERSITY

UE19CS352

Cloud Computing

Lab - 03

Introduction to Amazon Simple Storage
Service (S3)

Name : Suhan B Revankar

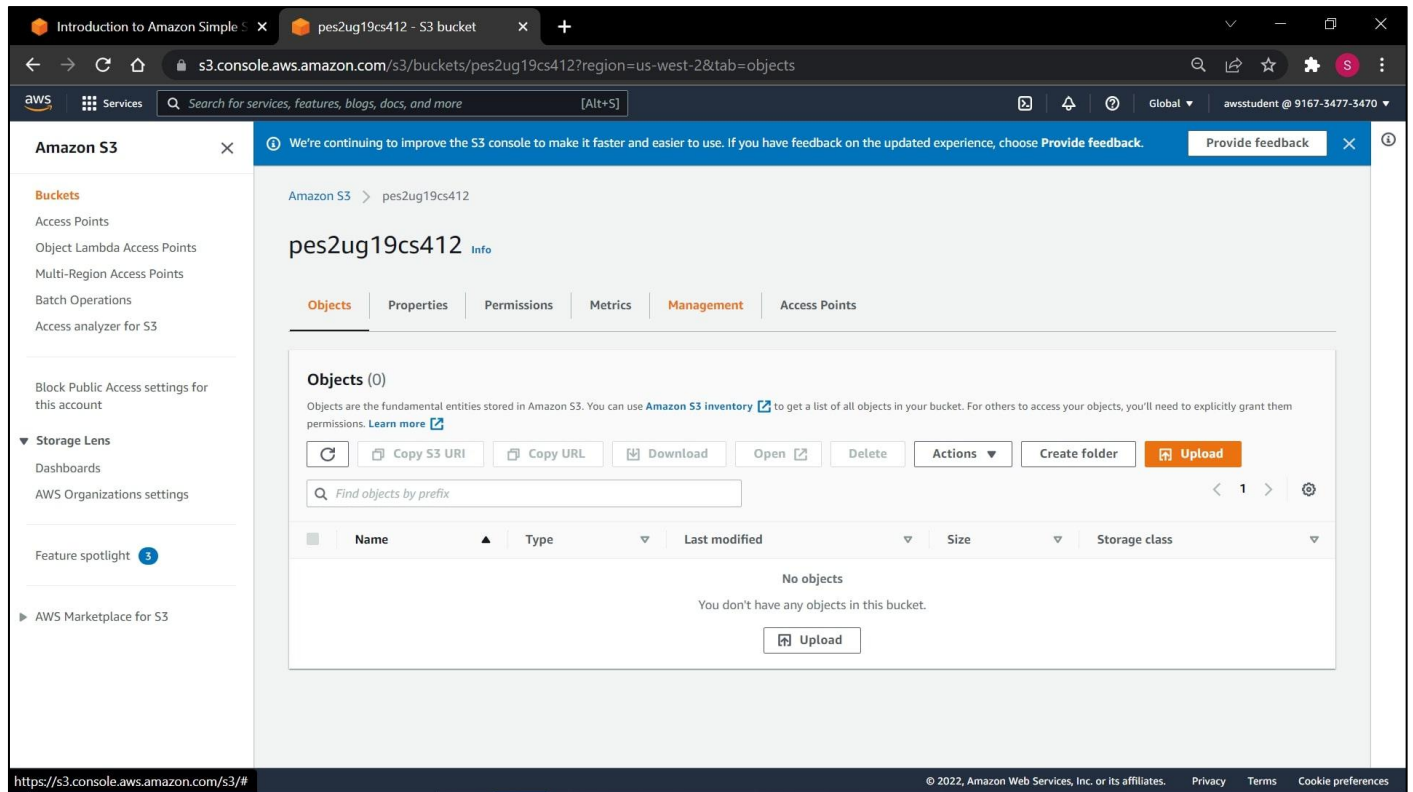
SRN : PES2UG19CS412

Section : G Section

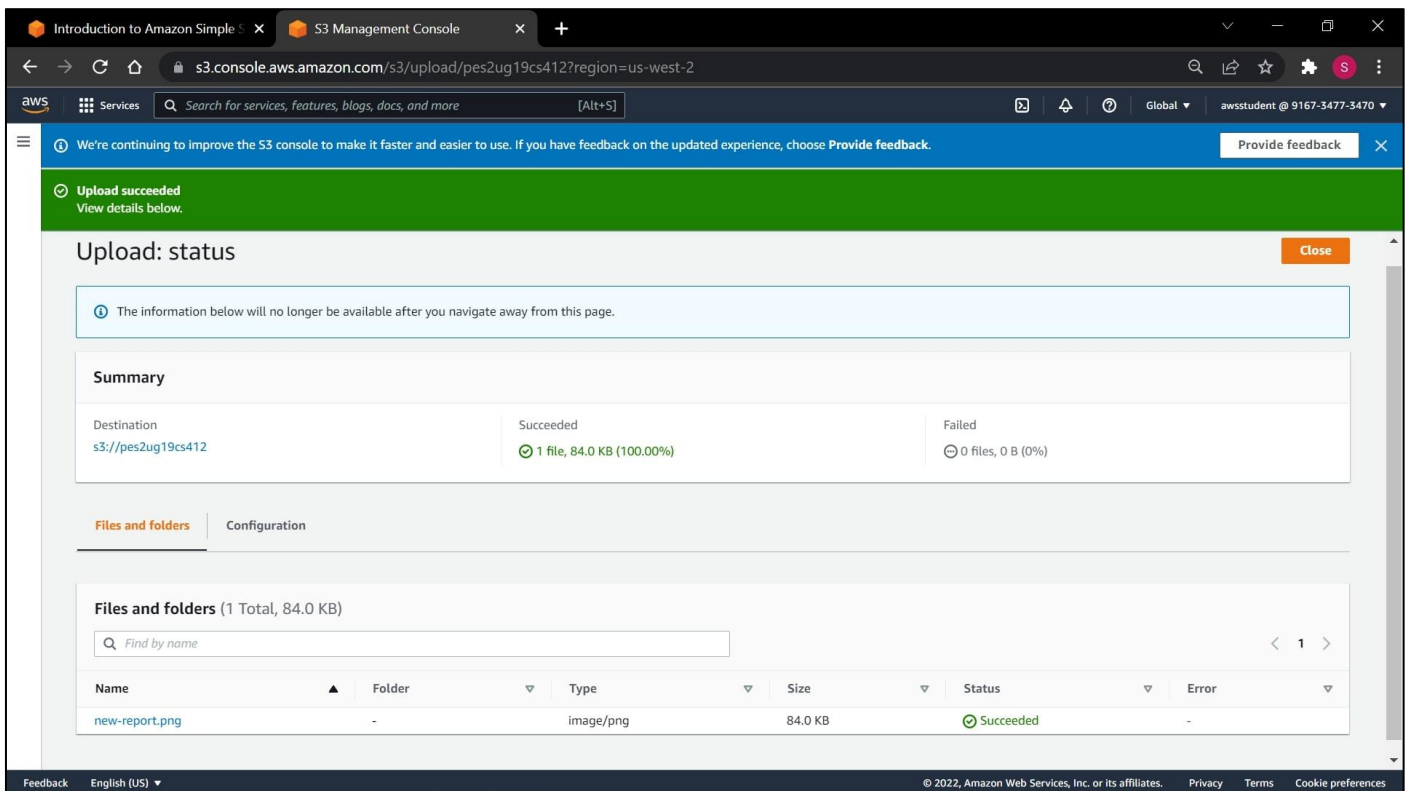
Deliverables:

The following screenshots are to be submitted:

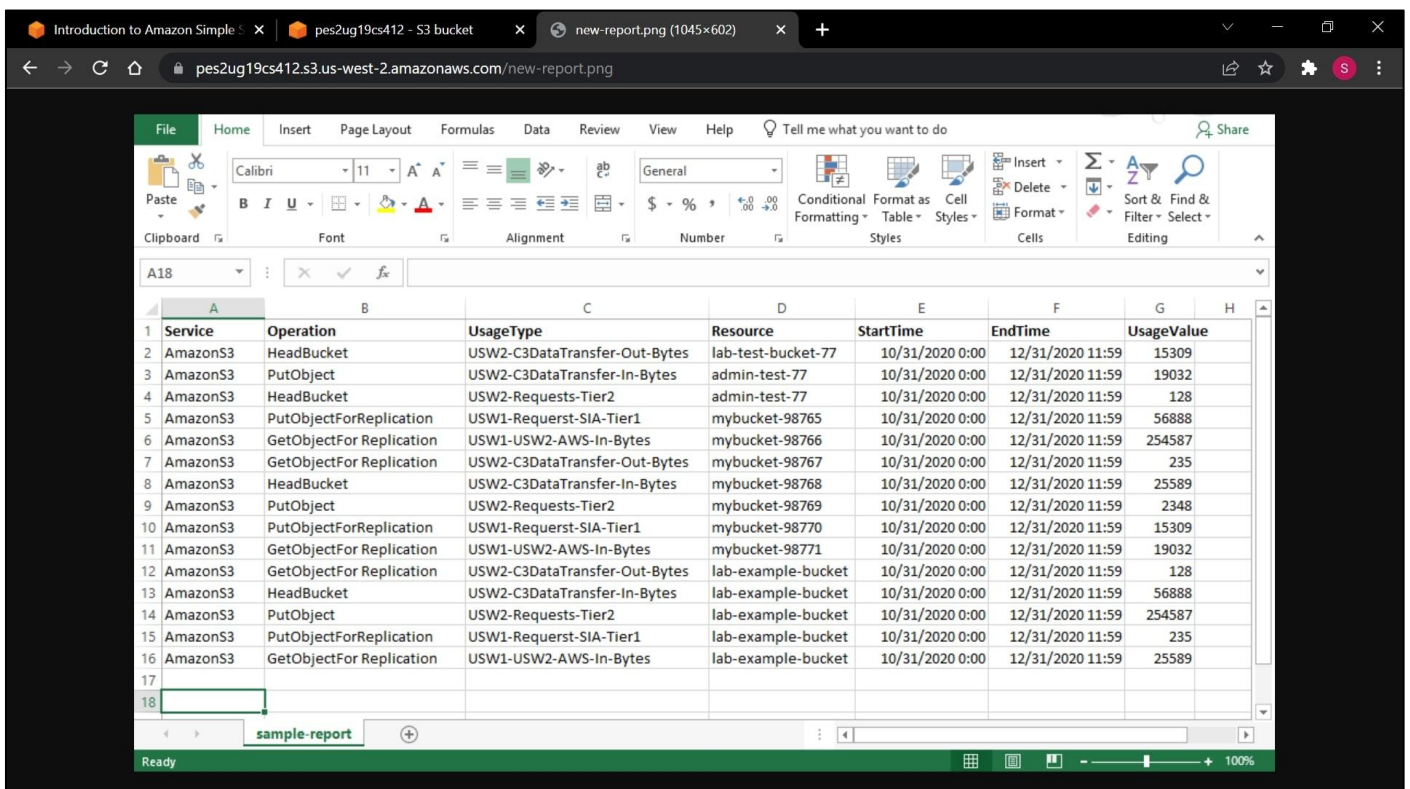
- a. 1a.png: Showing S3 bucket created. The name of the buckets should be: <Your SRN> Eg: pes1201900001.



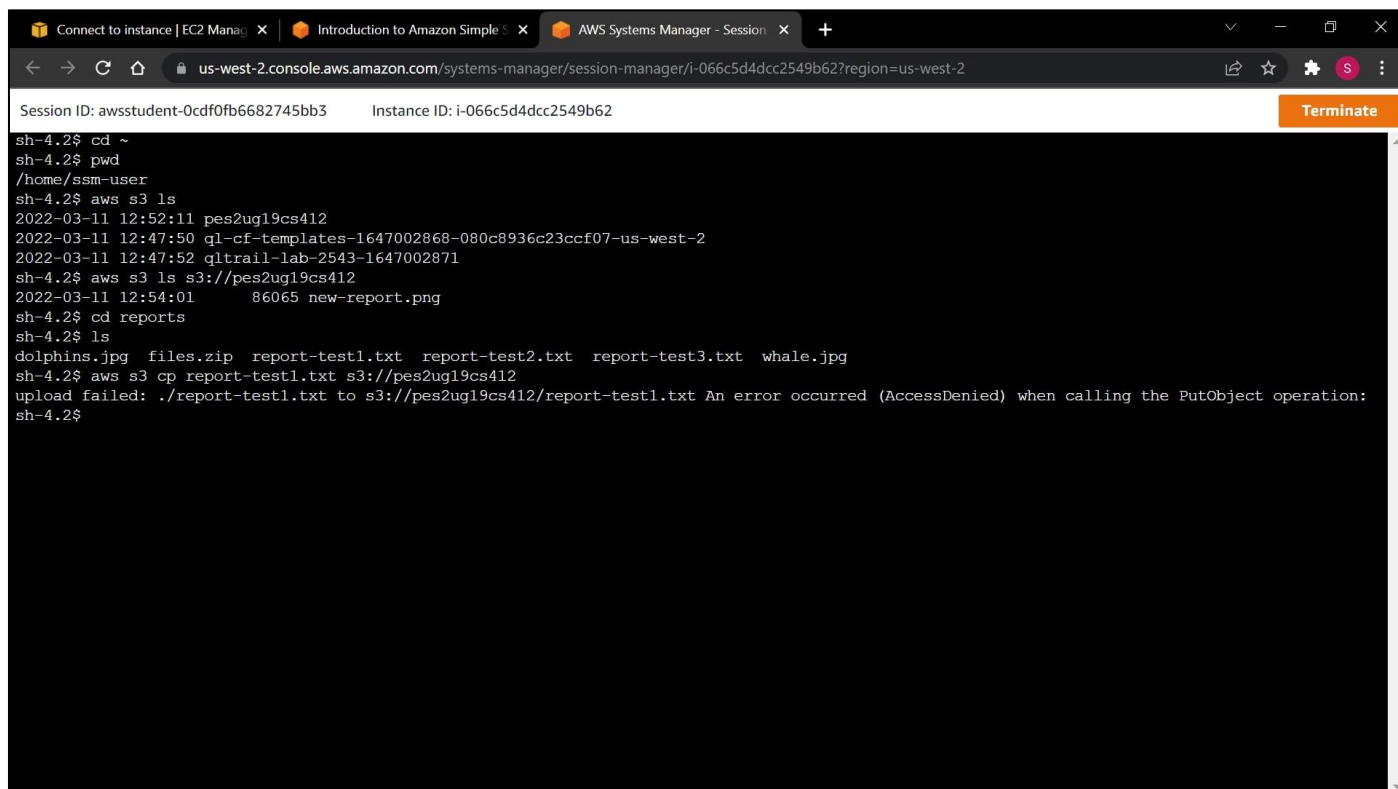
b. 2a.png: Showing the file upload successfully (Include Details).



c. 3a.png: Showing the new-report.png successfully displayed on the browser tab.



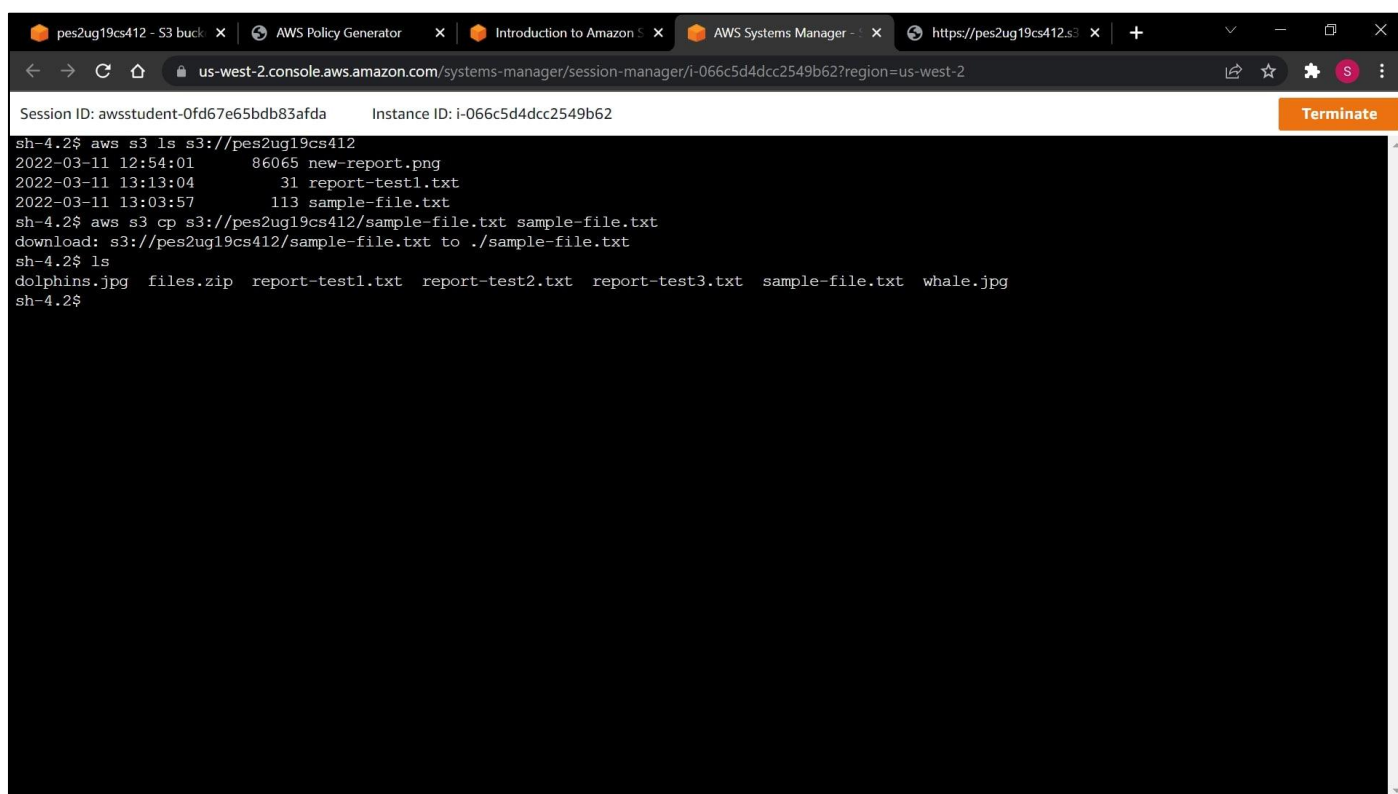
d. 4a.png: Showing all commands executed on the Bastion host including the upload failed error.



The screenshot shows a terminal window within the AWS Systems Manager console. The browser tabs at the top include 'Connect to instance | EC2 Manag...', 'Introduction to Amazon Simple S...', and 'AWS Systems Manager - Session...'. The address bar shows the URL 'us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-066c5d4dcc2549b62?region=us-west-2'. The terminal header displays 'Session ID: awsstudent-0cdf0fb6682745bb3' and 'Instance ID: i-066c5d4dcc2549b62', with a 'Terminate' button on the right. The terminal output shows the following commands and their results:

```
sh-4.2$ cd ~
sh-4.2$ pwd
/home/ssm-user
sh-4.2$ aws s3 ls
2022-03-11 12:52:11 pes2ug19cs412
2022-03-11 12:47:50 ql-cf-templates-1647002868-080c8936c23ccf07-us-west-2
2022-03-11 12:47:52 qltrail-lab-2543-1647002871
sh-4.2$ aws s3 ls s3://pes2ug19cs412
2022-03-11 12:54:01      86065 new-report.png
sh-4.2$ cd reports
sh-4.2$ ls
dolphins.jpg  files.zip  report-test1.txt  report-test2.txt  report-test3.txt  whale.jpg
sh-4.2$ aws s3 cp report-test1.txt s3://pes2ug19cs412
upload failed: ./report-test1.txt to s3://pes2ug19cs412/report-test1.txt An error occurred (AccessDenied) when calling the PutObject operation:
sh-4.2$
```

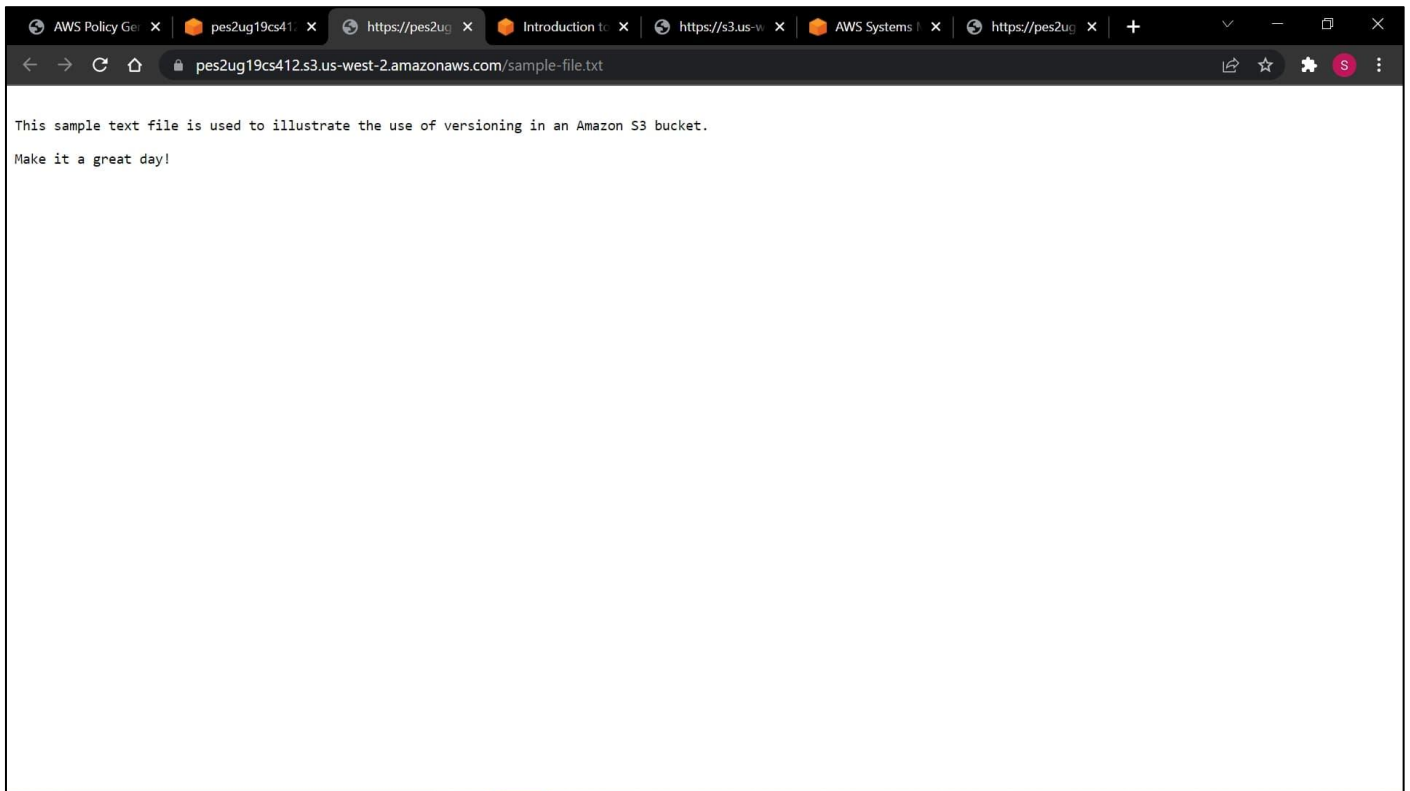
e. 5a.png: Showing all commands executed on the Bastion host including successful retrieval (GetObject) and upload (PutObject).



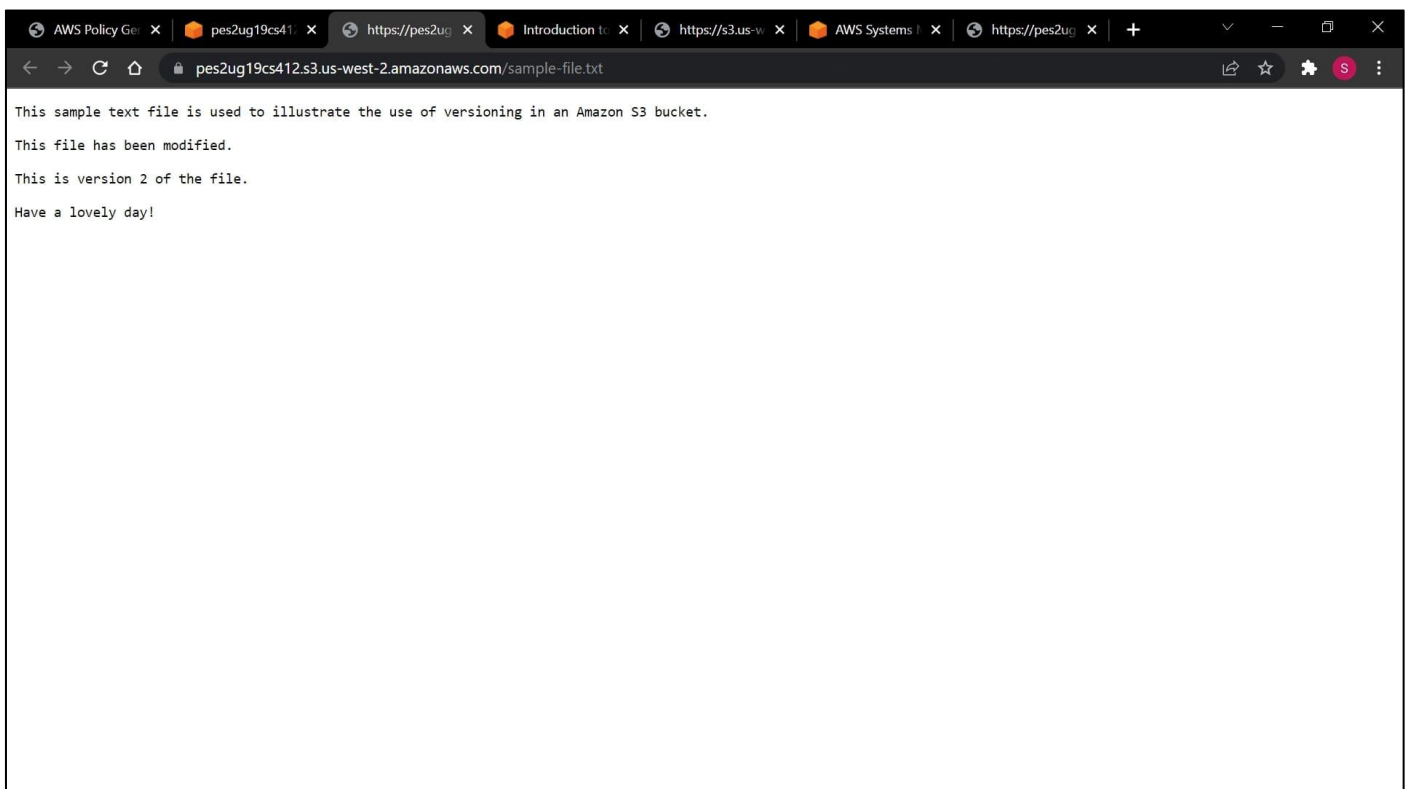
The screenshot shows a terminal window within the AWS Systems Manager console. The browser tabs at the top include 'pes2ug19cs412 - S3 buck...', 'AWS Policy Generator', 'Introduction to Amazon...', 'AWS Systems Manager - ...', and 'https://pes2ug19cs412.s3...'. The address bar shows the URL 'us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-066c5d4dcc2549b62?region=us-west-2'. The terminal header displays 'Session ID: awsstudent-0fd67e65bdb83afda' and 'Instance ID: i-066c5d4dcc2549b62', with a 'Terminate' button on the right. The terminal output shows the following commands and their results:

```
sh-4.2$ aws s3 ls s3://pes2ug19cs412
2022-03-11 12:54:01      86065 new-report.png
2022-03-11 13:13:04       31 report-test1.txt
2022-03-11 13:03:57      113 sample-file.txt
sh-4.2$ aws s3 cp s3://pes2ug19cs412/sample-file.txt sample-file.txt
download: s3://pes2ug19cs412/sample-file.txt to ./sample-file.txt
sh-4.2$ ls
dolphins.jpg  files.zip  report-test1.txt  report-test2.txt  report-test3.txt  sample-file.txt  whale.jpg
sh-4.2$
```

f. 5b.png: Showing the sample-file.txt displayed on the browser tab



g. 6a.png: Showing the new contents of the sample-file.txt on the browser tab.



h. 6b.png: Showing the objects tab for the bucket created with the *Show versions* toggle on.

The screenshot shows the AWS S3 console interface. The browser address bar displays the URL: `s3.console.aws.amazon.com/s3/buckets/pes2ug19cs412?region=us-west-2&tab=objects&showversions=true`. The console header includes the AWS logo, a search bar, and the user's account information: `awsstudent @ 9167-3477-3470`.

The main content area is titled `pes2ug19cs412` and has tabs for `Objects`, `Properties`, `Permissions`, `Metrics`, `Management`, and `Access Points`. The `Objects` tab is selected.

Under the `Objects` tab, there is a section titled `Objects (4)` with a description: "Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)".

Below the description are several action buttons: `Copy S3 URI`, `Copy URL`, `Download`, `Open`, `Delete`, `Actions`, `Create folder`, and `Upload`. There is also a search bar labeled `Find objects by prefix` and a toggle switch for `Show versions`, which is currently turned on.

The objects are listed in a table with the following columns: `Name`, `Type`, `Version ID`, `Last modified`, `Size`, and `Storage class`.

Name	Type	Version ID	Last modified	Size	Storage class
<code>new-report.png</code>	<code>png</code>	<code>null</code>	<code>March 11, 2022, 18:24:01 (UTC+05:30)</code>	<code>84.0 KB</code>	<code>Standard</code>
<code>report-test1.txt</code>	<code>txt</code>	<code>null</code>	<code>March 11, 2022, 18:43:04 (UTC+05:30)</code>	<code>31.0 B</code>	<code>Standard</code>
<code>sample-file.txt</code>	<code>txt</code>	<code>pWIFXm612tQEdfoIXXRt5BI1XL_AdfCk</code>	<code>March 11, 2022, 19:00:08 (UTC+05:30)</code>	<code>171.0 B</code>	<code>Standard</code>
<code>sample-file.txt</code>	<code>txt</code>	<code>null</code>	<code>March 11, 2022, 18:33:57 (UTC+05:30)</code>	<code>113.0 B</code>	<code>Standard</code>

The footer of the console shows `Feedback`, `English (US)`, and copyright information: `© 2022, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences`.
