

1. VM Instance

Google Cloud

qwiklabs-gcp-00-f6a46a2d2550

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<input type="checkbox"/>	Status	Name ↑	Zone	Recommendations	In use by	Internal IP	External IP	Connect
<input type="checkbox"/>	✓	instance-2	us-central1-c			10.128.0.3 (nic0)	34.122.244.141 (nic0)	SSH ▾ ⋮

Related actions

HIDE

Explore Backup and DR **NEW**

Back up your VMs and set up disaster recovery

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View outlier VMs across metrics like CPU and network

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View, search, analyze, and download VM instance logs

Set up firewall rules

Control traffic to and from a VM instance

Patch management

Schedule patch updates and view patch compliance on VM instances

Load balance between VMs

Set up Load Balancing for your applications as your traffic and users grow

2. Storage Bucket

Google Cloud

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Cloud Storage

Buckets

Monitoring **NEW**

Settings

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Release Notes

Buckets

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Try The New Cloud Storage Monitoring Dashboard

Check out the new Cloud Storage monitoring dashboard and Bucket Observability pages! Powered by Cloud Operations, you can customize these dashboards for each project.

TRY NOW

View security recommendations

Improve security by applying security recommendations to your buckets. The security insights column in the table describes which buckets have excess permissions.

VIEW IN TABLE

LEARN MORE

Filter

Filter buckets

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<input type="checkbox"/>	Name ↑	Created	Location type	Location	Default storage class	Last modified	Public access
<input type="checkbox"/>	data_bucket_199	Apr 9, 2023, 8:52:08 AM	Multi-region	us	Standard	Apr 9, 2023, 8:52:08 AM	Subject to object ACLs

3. File inside storage

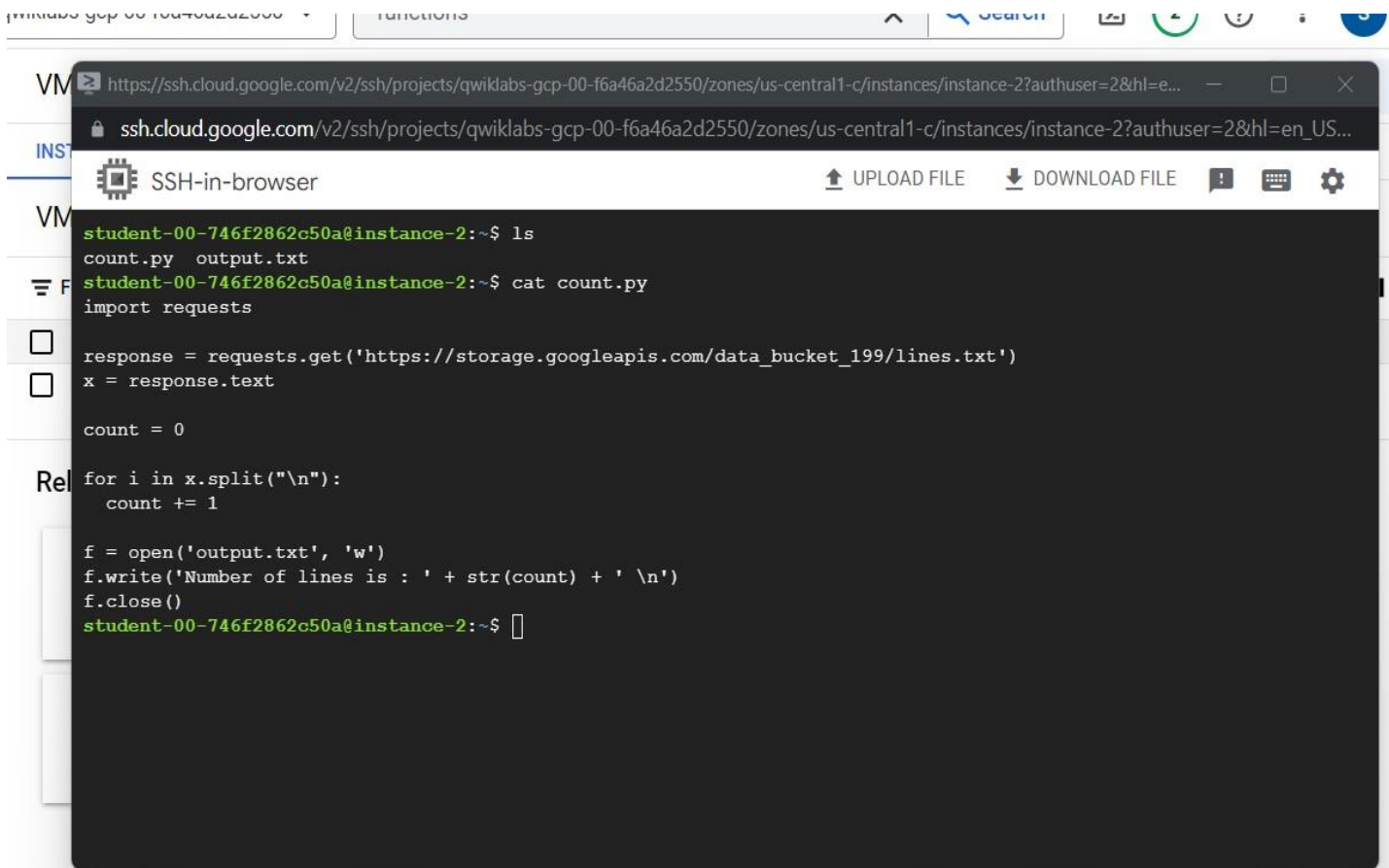
The screenshot shows the Google Cloud Storage console interface. The top navigation bar includes the Google Cloud logo, a project selector (qwiklabs-gcp-00-f6a46a2d2550), a search bar, and utility icons. The left sidebar contains navigation links for Cloud Storage, Buckets, Monitoring, and Settings. The main content area displays the 'Bucket details' for 'data_bucket_199'. It lists metadata: Location (us), Storage class (Standard), Public access (Subject to object ACLs), and Protection (None). Below this, a tabbed interface shows 'OBJECTS' selected, displaying a table of objects. The table has columns for Name, Size, Type, Created, Storage class, Last modified, Public access, and Version history. One object, 'lines.txt', is listed with a size of 171 B, type of text/plain, and created on Apr 9, 2023. The right sidebar contains links for REFRESH, HELP ASSISTANT, and LEARN.

Name	Size	Type	Created	Storage class	Last modified	Public access	Version history
lines.txt	171 B	text/plain	Apr 9, 2023, 8:52:20 AM	Standard	Apr 9, 2023, 8:52:43 AM	Public to internet	Copy URL

The screenshot shows a web browser window with the address bar displaying 'storage.googleapis.com/data_bucket_199/lines.txt'. The browser's tab bar shows several open tabs: 'Data_Visualization', 'Exam', 'Jan 2023 Grading d...', and 'Kick Start - Google'. The main content area of the browser displays the text of the 'lines.txt' file, which consists of 13 lines, each starting with 'Text line' followed by a number from 1 to 13.

```
Text line 1
Text Line 2
Text Line 3
Text Line 4
Text Line 5
Text Line 6
Text Line 7
Text Line 8
Text Line 9
Text Line 10
Text Line 11
Text Line 12
Text Line 13
```

4. Code



```
student-00-746f2862c50a@instance-2:~$ ls
count.py  output.txt
student-00-746f2862c50a@instance-2:~$ cat count.py
import requests

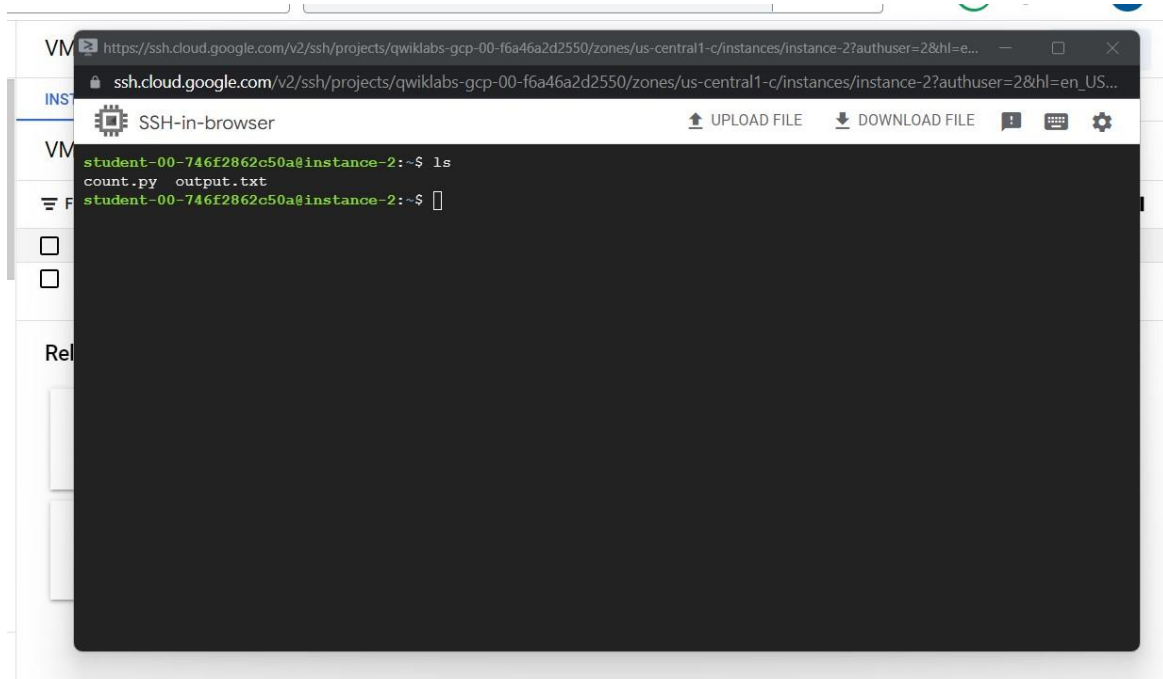
response = requests.get('https://storage.googleapis.com/data_bucket_199/lines.txt')
x = response.text

count = 0

for i in x.split("\n"):
    count += 1

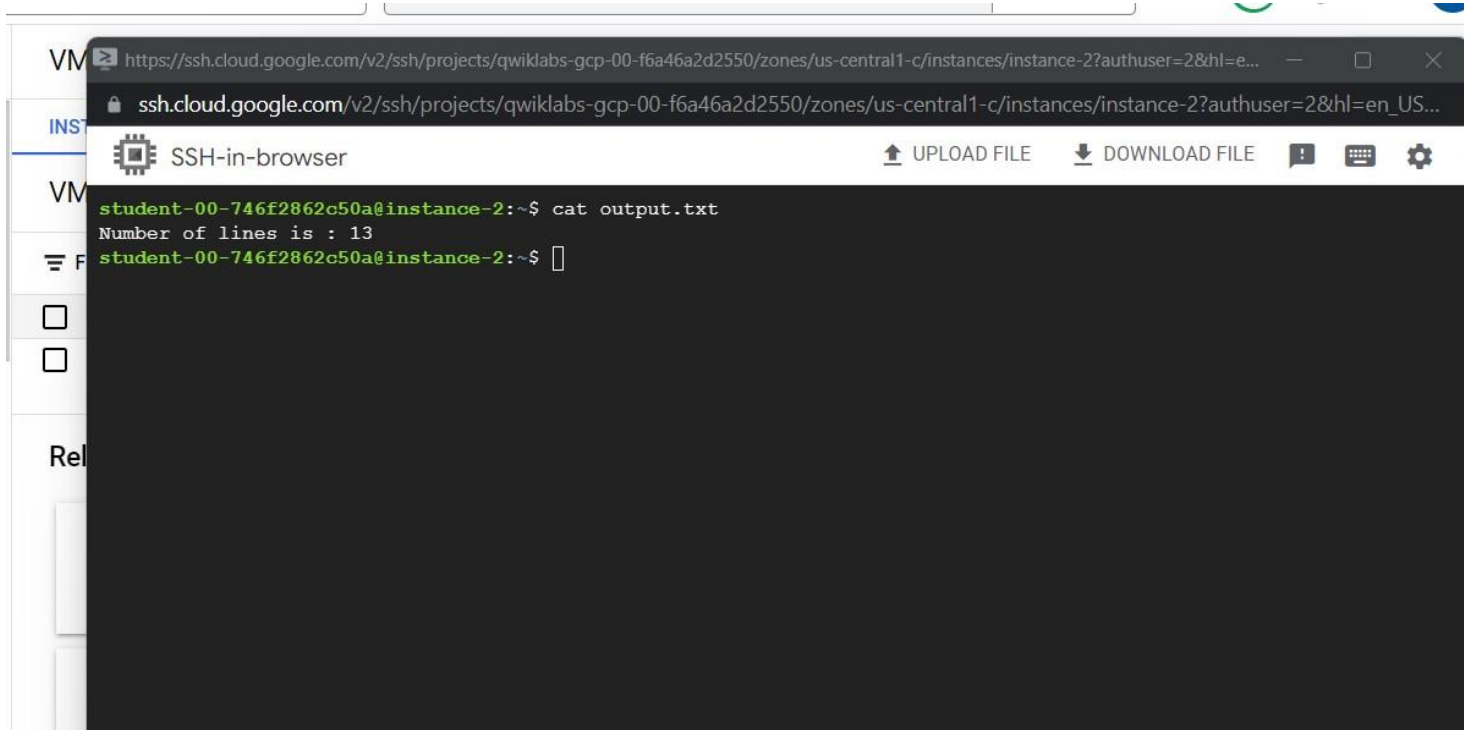
f = open('output.txt', 'w')
f.write('Number of lines is : ' + str(count) + ' \n')
f.close()
student-00-746f2862c50a@instance-2:~$
```

5. Output File



```
student-00-746f2862c50a@instance-2:~$ ls
count.py  output.txt
student-00-746f2862c50a@instance-2:~$
```

6. Output



The screenshot shows a web browser window with the URL `https://ssh.cloud.google.com/v2/ssh/projects/qwiklabs-gcp-00-f6a46a2d2550/zones/us-central1-c/instances/instance-2?authuser=2&hl=en_US...`. The browser tab is titled "SSH-in-browser". The terminal interface shows a prompt `student-00-746f2862c50a@instance-2:~$` followed by the command `cat output.txt`. The output of the command is `Number of lines is : 13`. The prompt `student-00-746f2862c50a@instance-2:~$` is shown again on the next line.

```
student-00-746f2862c50a@instance-2:~$ cat output.txt
Number of lines is : 13
student-00-746f2862c50a@instance-2:~$
```