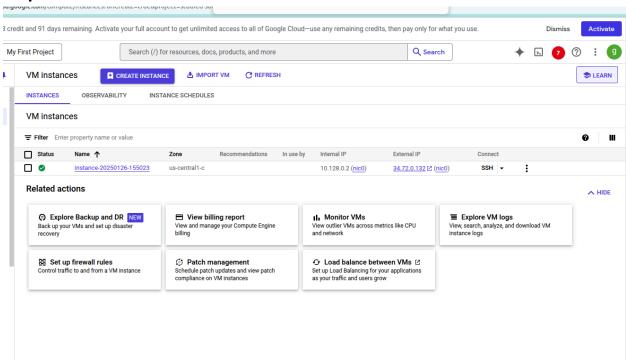
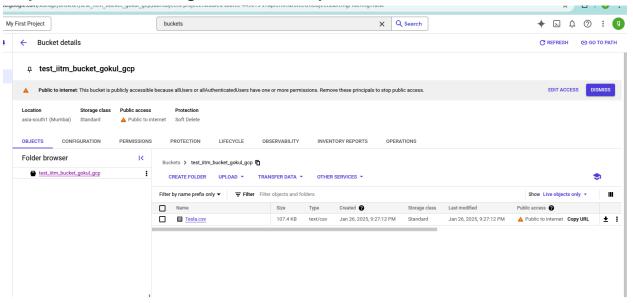
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Roll No: 21f1007026

Step 1: Create a Vm in GCP



Step 2: Create a Storage bucket and upload a text file to it



Step 3 : create a python file to count the number of lines in the file and upload it to the vm

```
Week2 > aa.py > ...
    import requests

def count_lines_in_https_file(https_url):
    # Download the file content from HTTPS URL
    response = requests.get(https_url)
    response.raise_for_status() # Raise an exception for HTTP errors

# Get the content as text
    content = response.text

# Count the lines
line_count = len(content.splitlines())

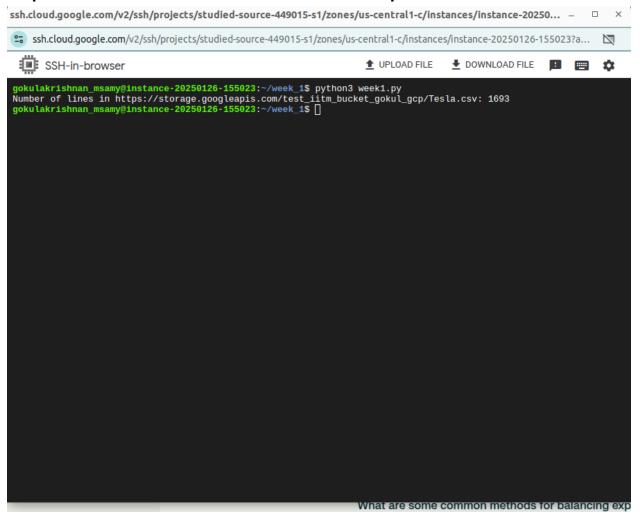
return line_count

# Full HTTPS path
https_path = 'https://storage.googleapis.com/test_iitm_bucket_gokul_gcp/Tesla.csy'

line_count = count_lines_in_https_file(https_path)
print(f"Number of lines in {https_path}: {line_count}")

Ctrl+I for Command, Ctrl+L for Cascade
```

Step 4: Run the file in the vm and show the output



```
ssh.cloud.google.com/v2/ssh/projects/studied-source-449015-s1/zones/us-central1-c/instances/instance-20250... 

**Ssh.cloud.google.com/v2/ssh/projects/studied-source-449015-s1/zones/us-central1-c/instances/instance-20250126-1550237a...

**SSH-in-browser**

**UPLOAD FILE **DOWNLOAD FILE
```