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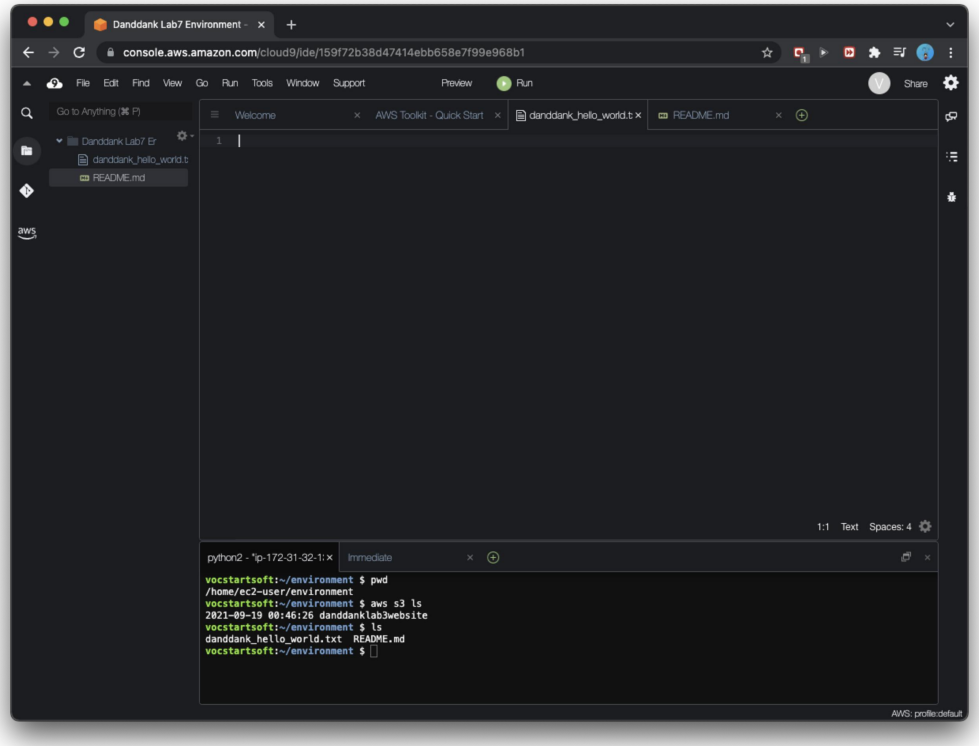
Email: nalongsone.danddank@my.metrostate.edu\

ICS 432 - 01 — Distributed and Cloud Computing Fall 2021

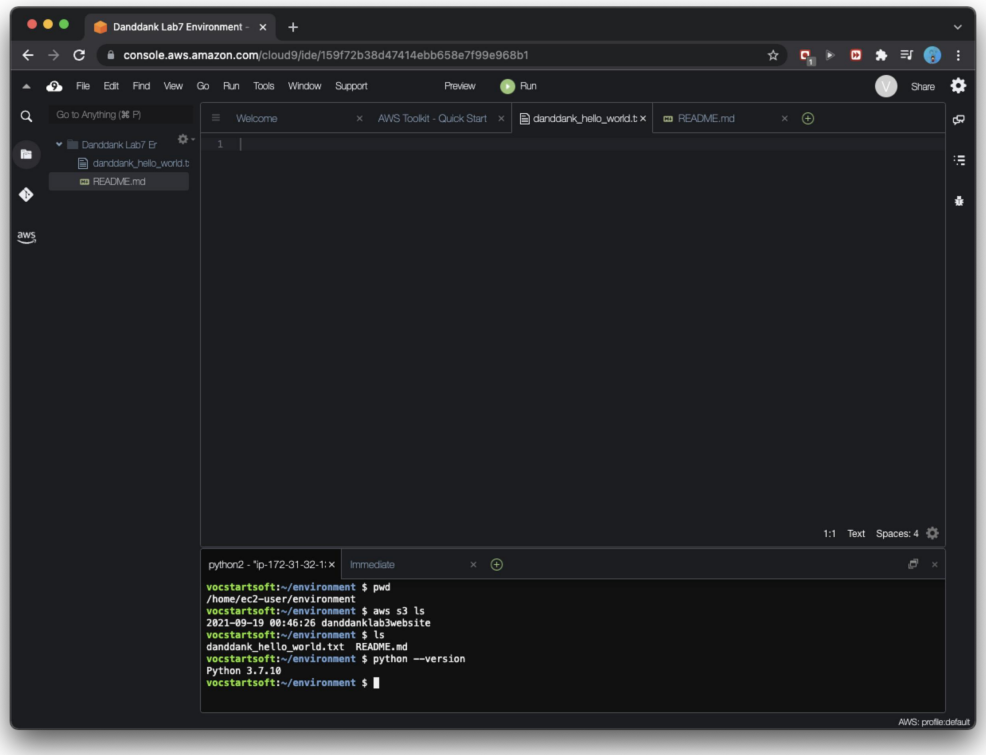
Lab #7 : Programmatic Access to AWS and GCP using CLI & SDK

Exercise 1: Programmatically working with AWS S3 using CLI & SDK.

Lab report screen-shot #1:



Lab report screen-shot #2:



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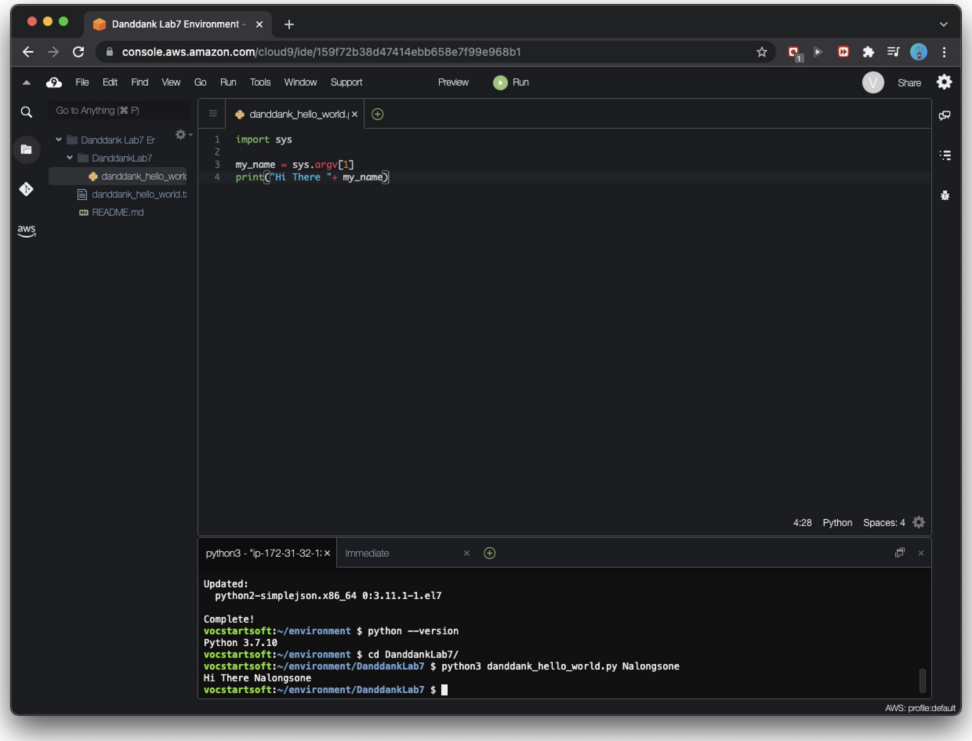
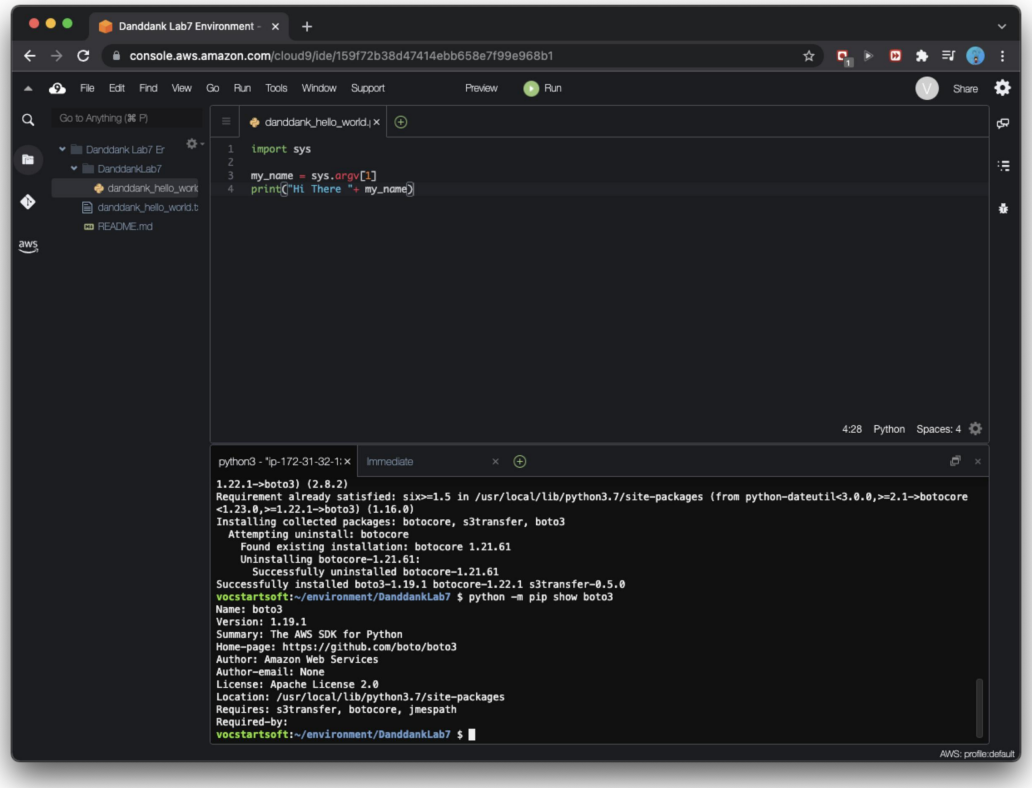
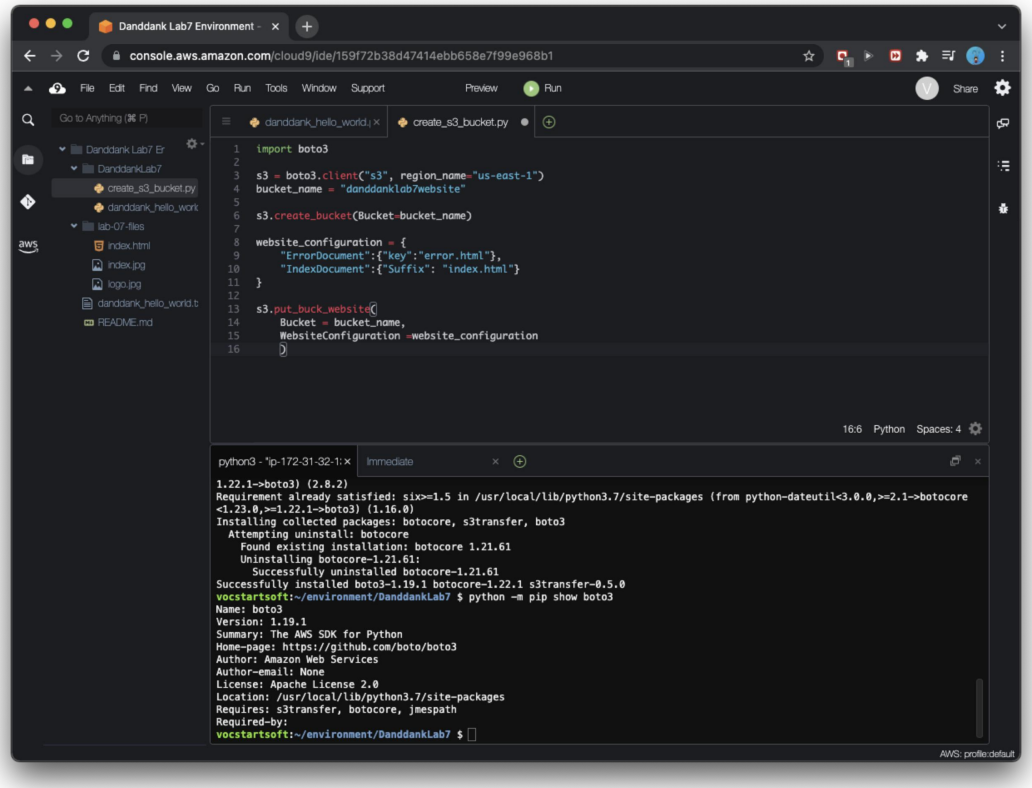


Lab report screen-shot #4:



Lab report screen-shot #5:



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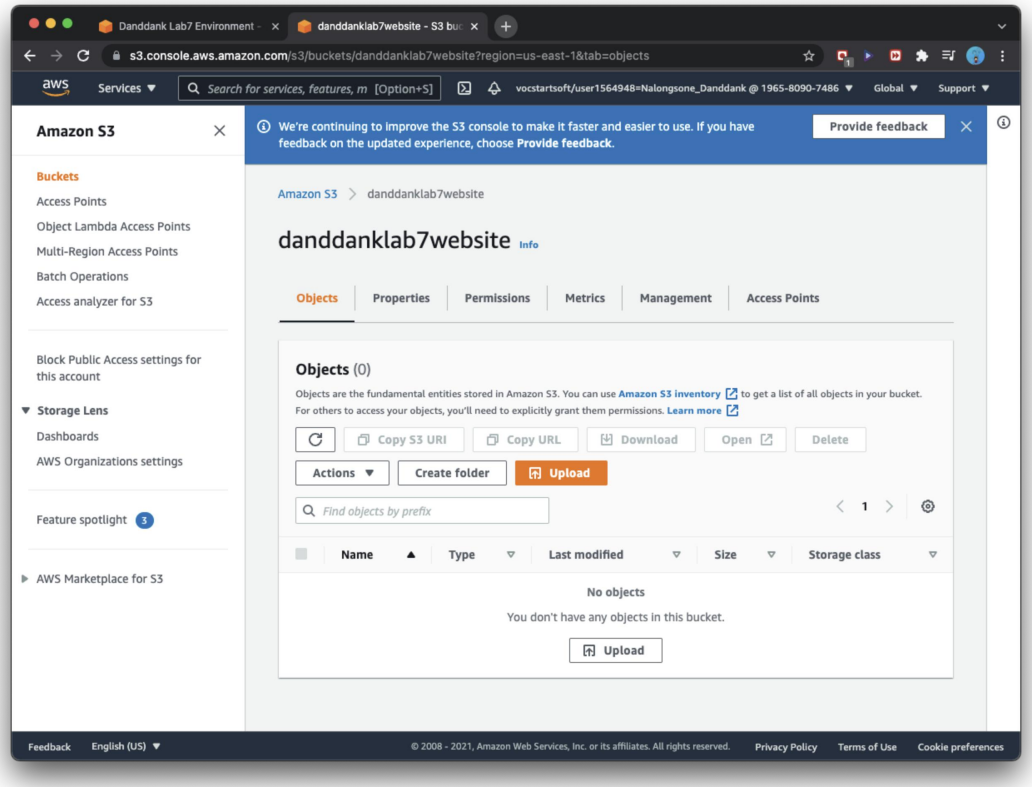

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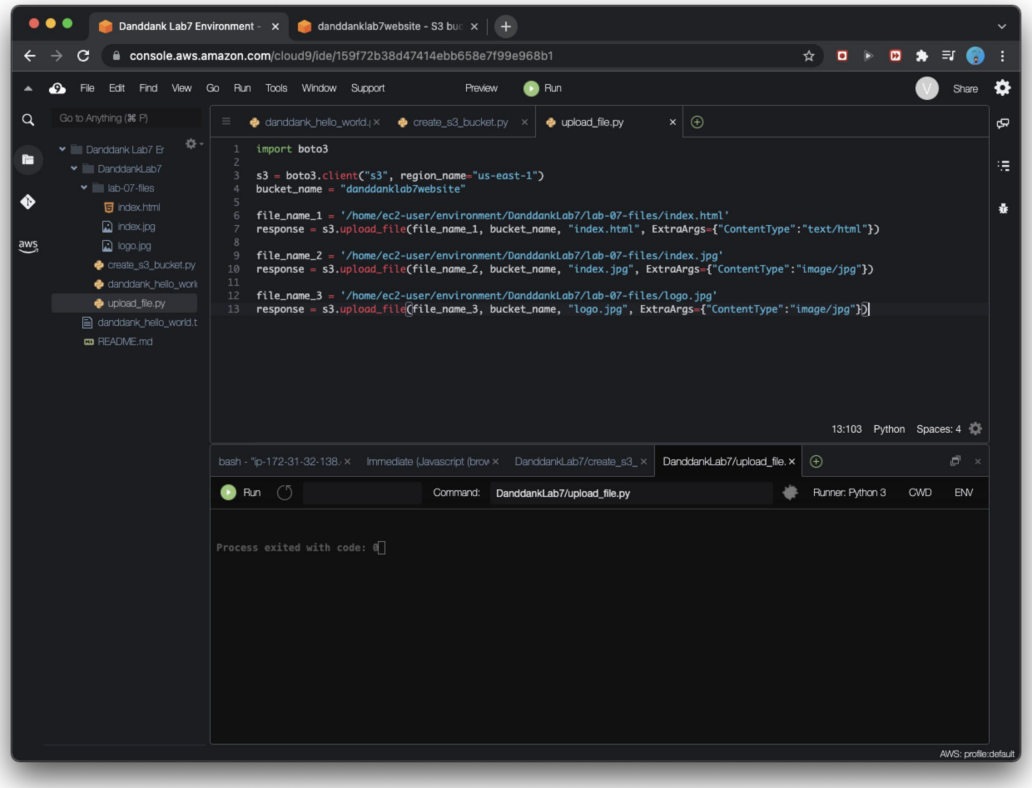

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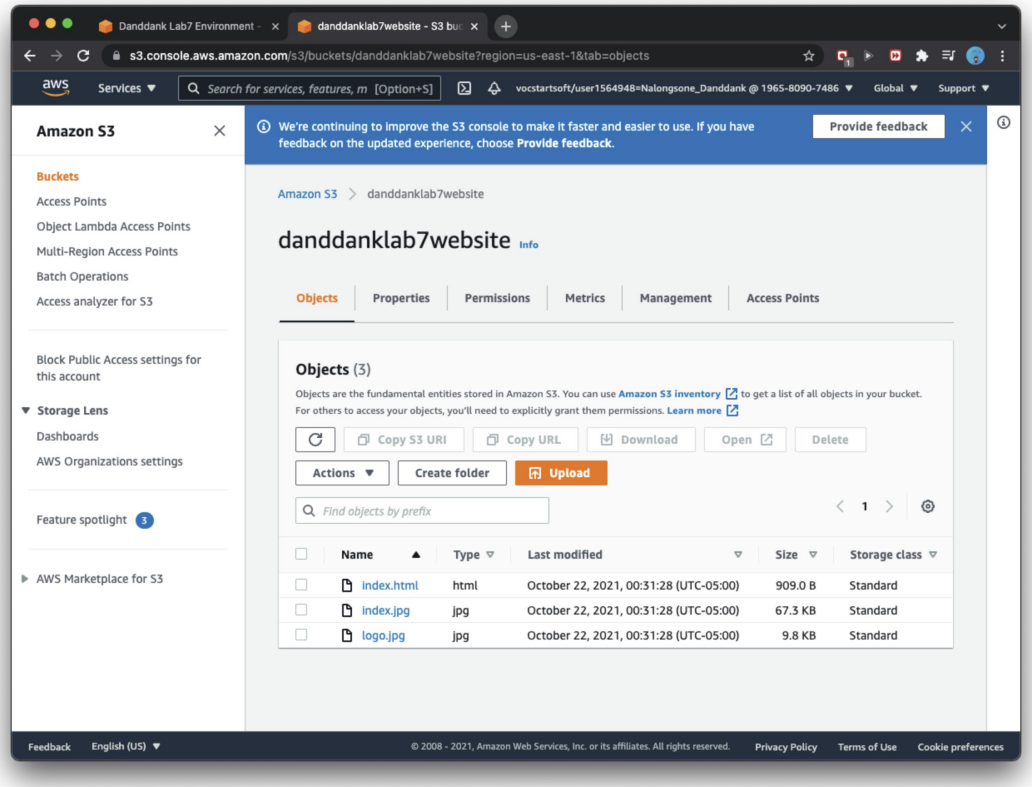

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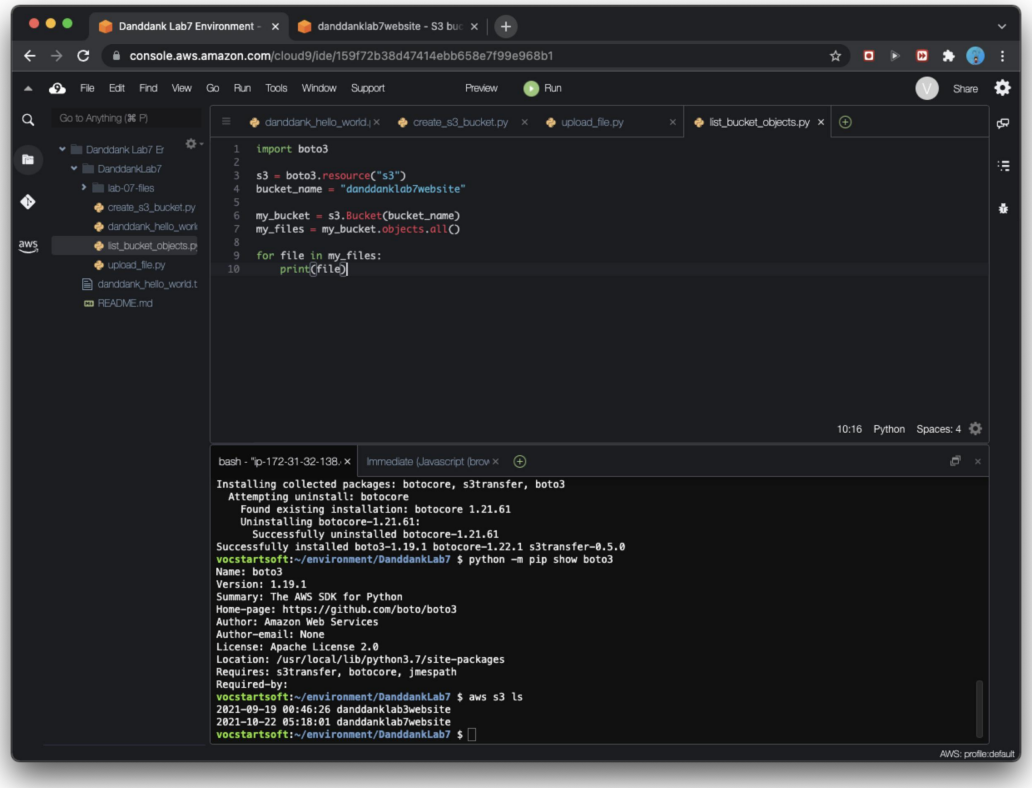

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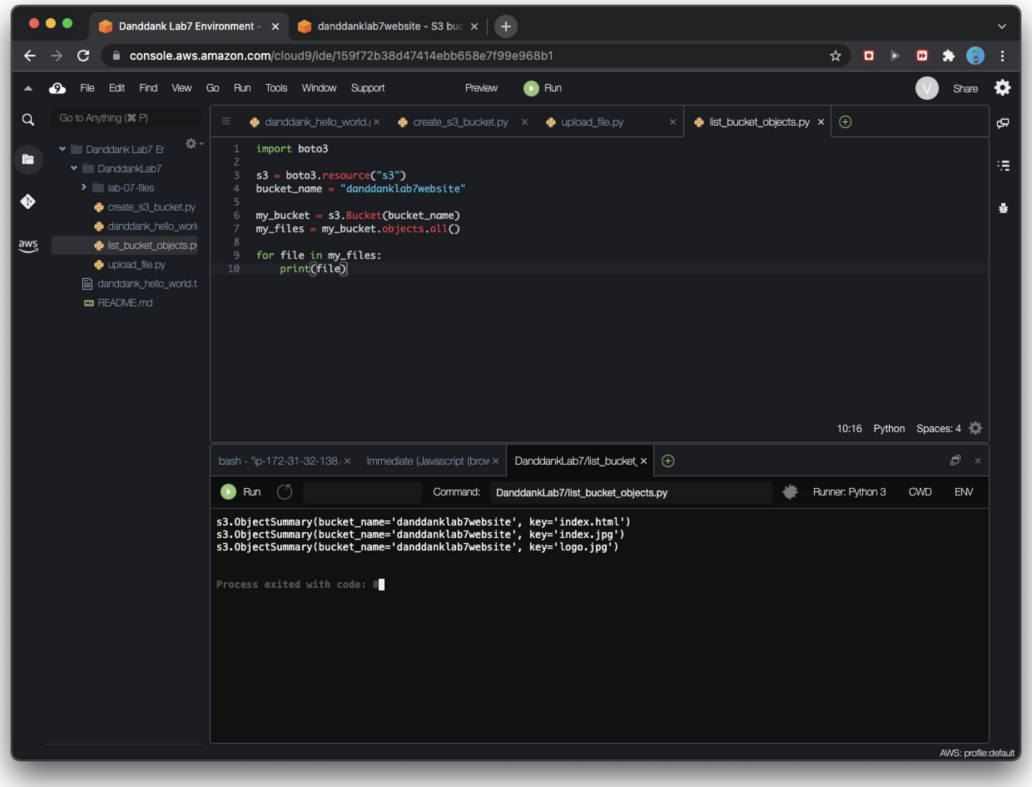

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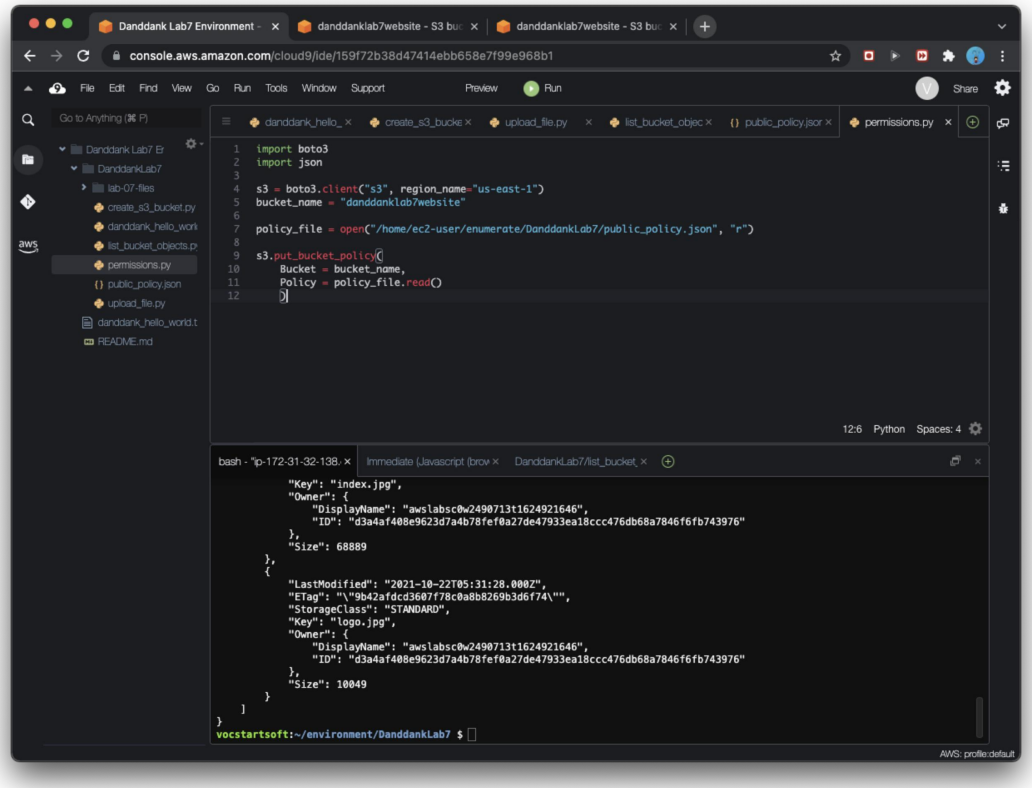

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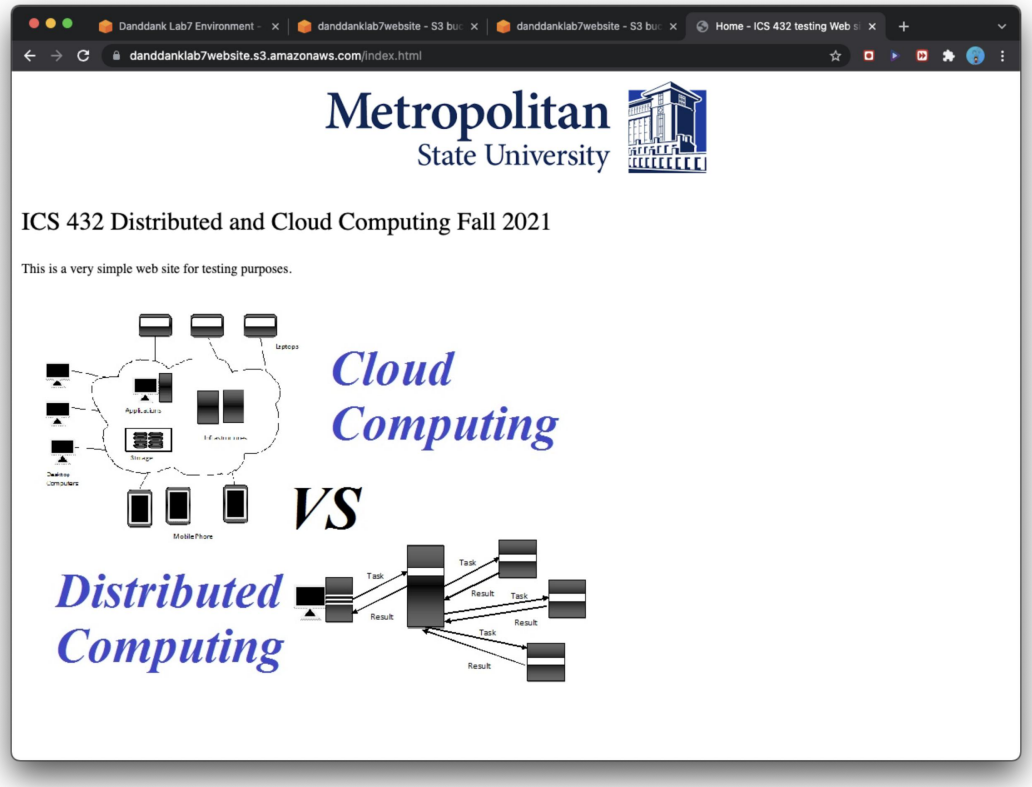

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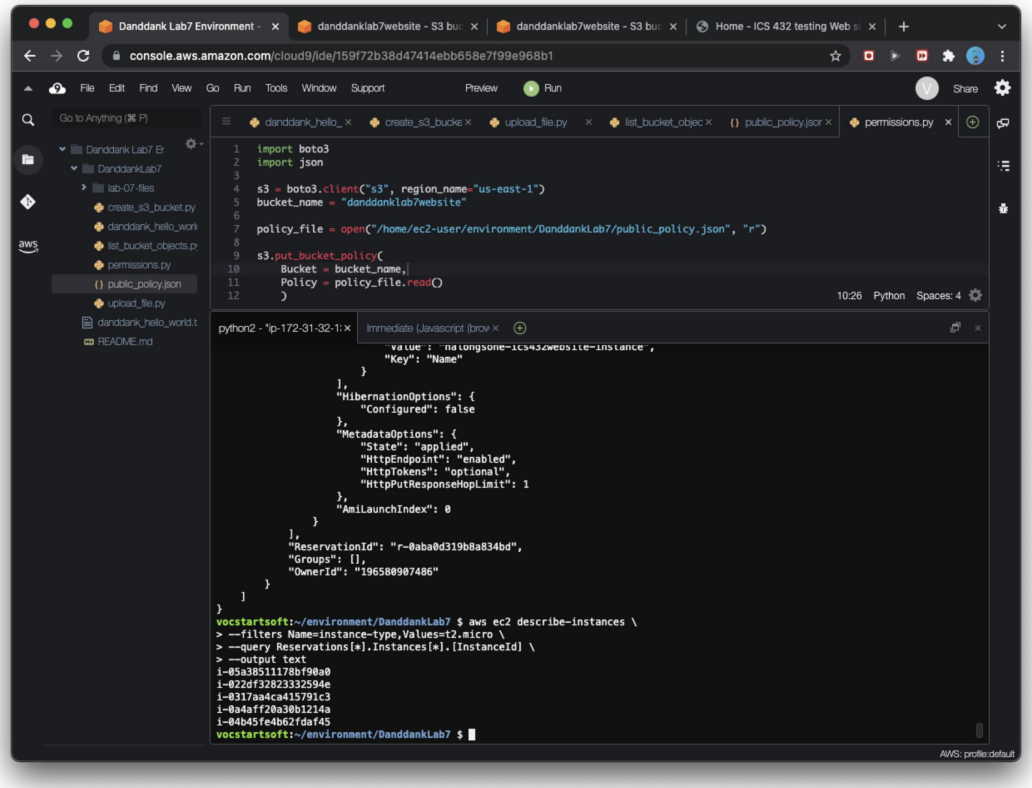

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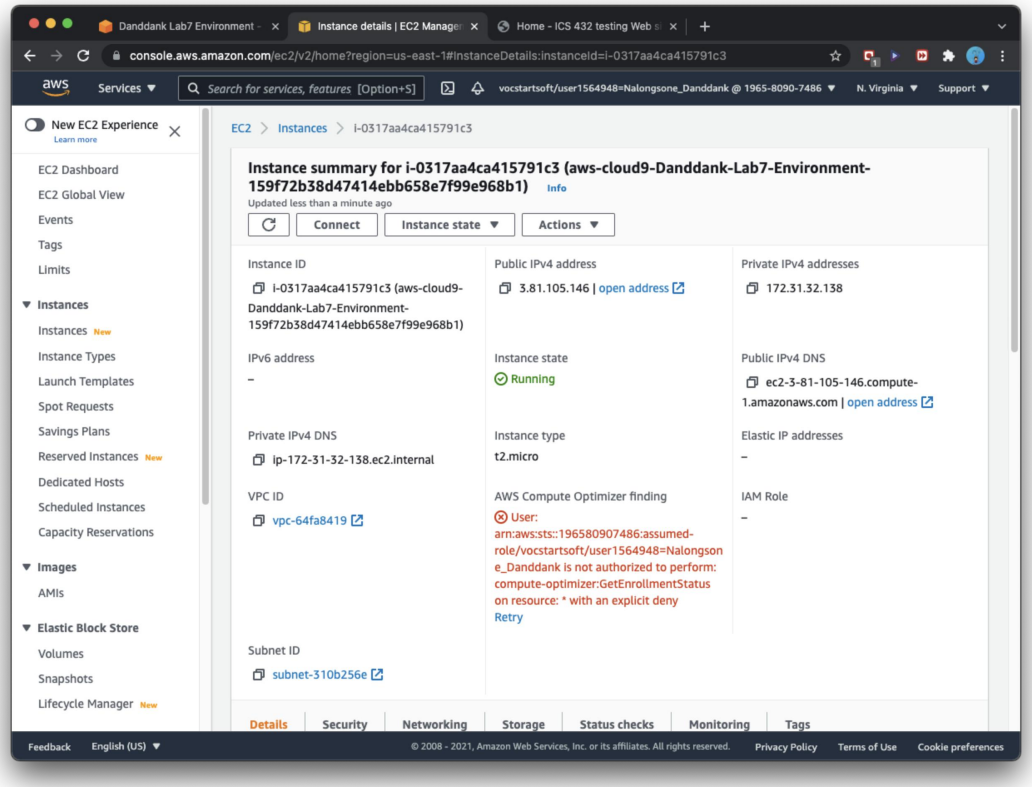
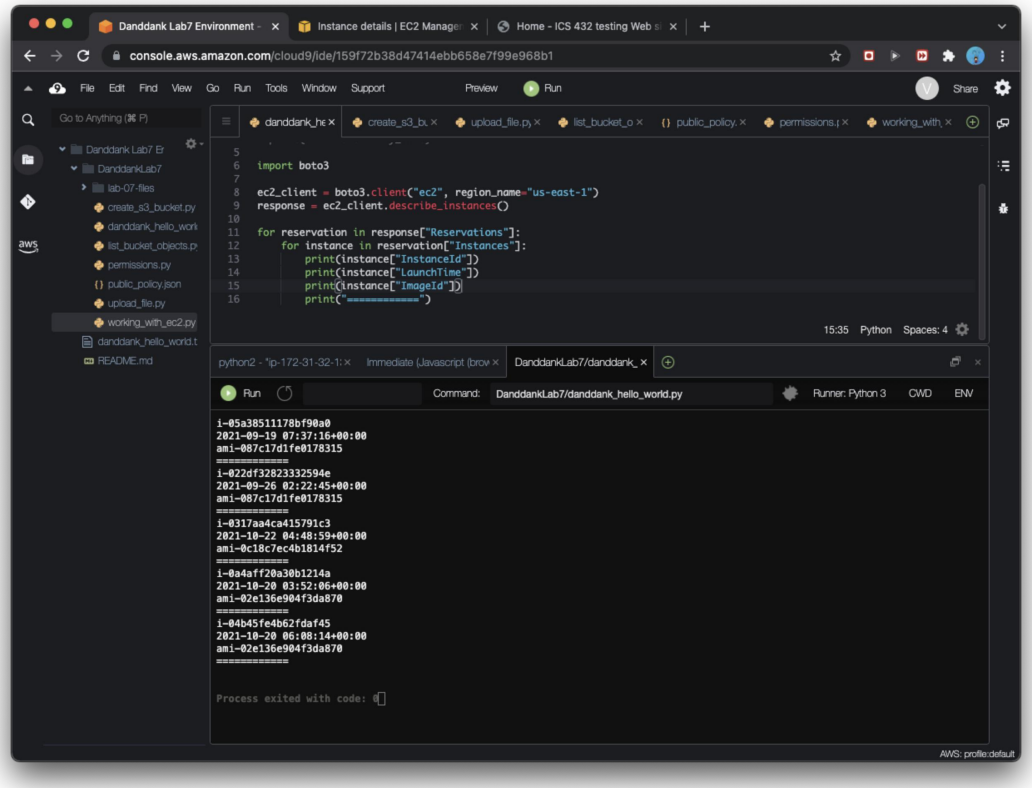


Lab report screen-shot #15:



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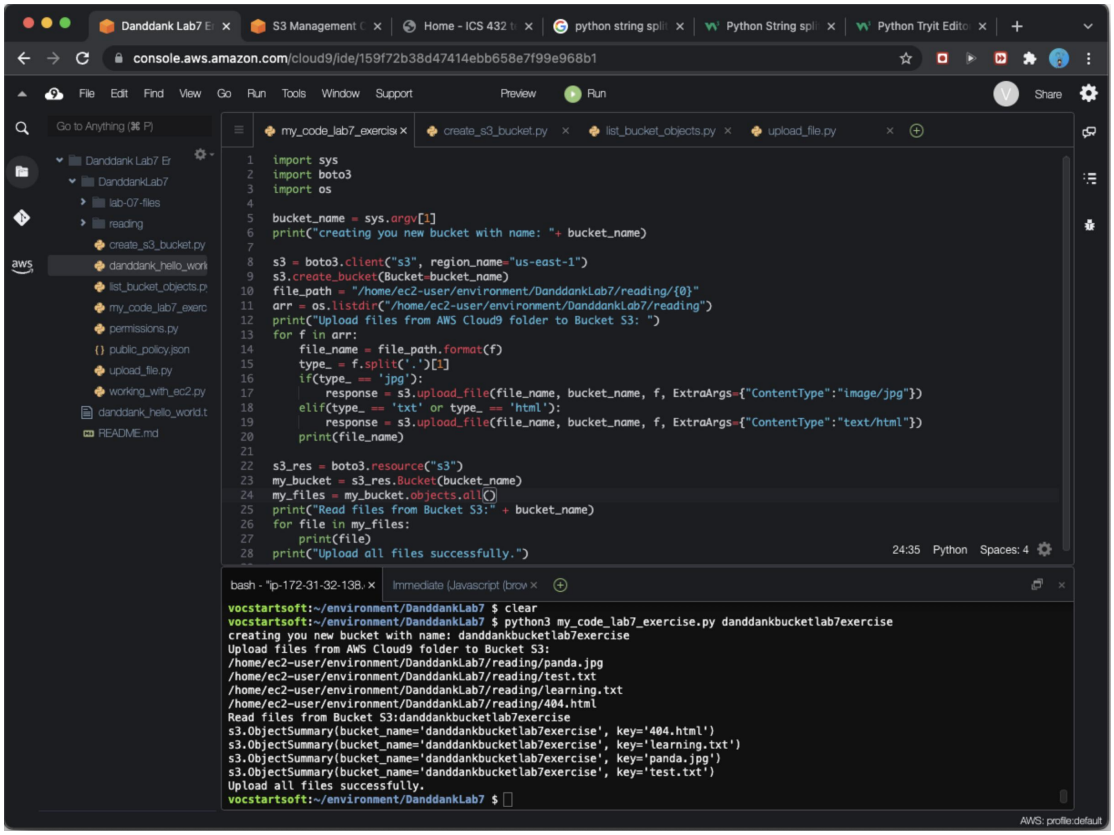

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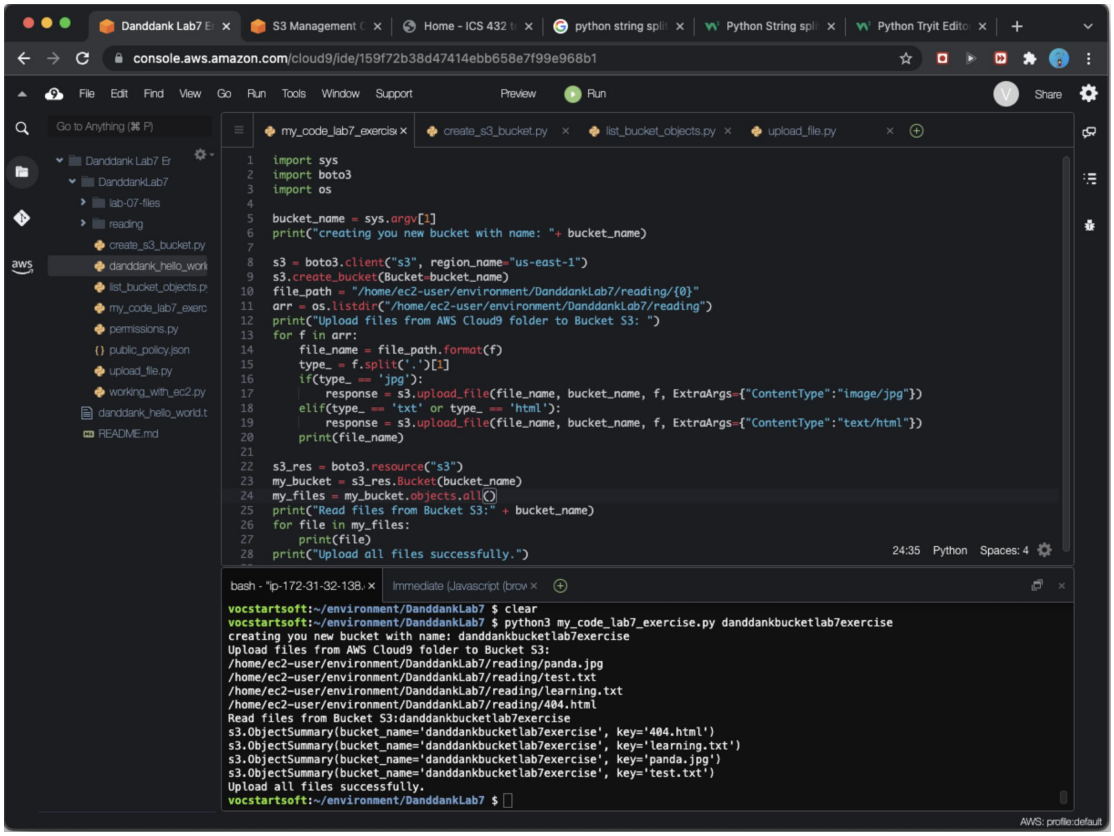

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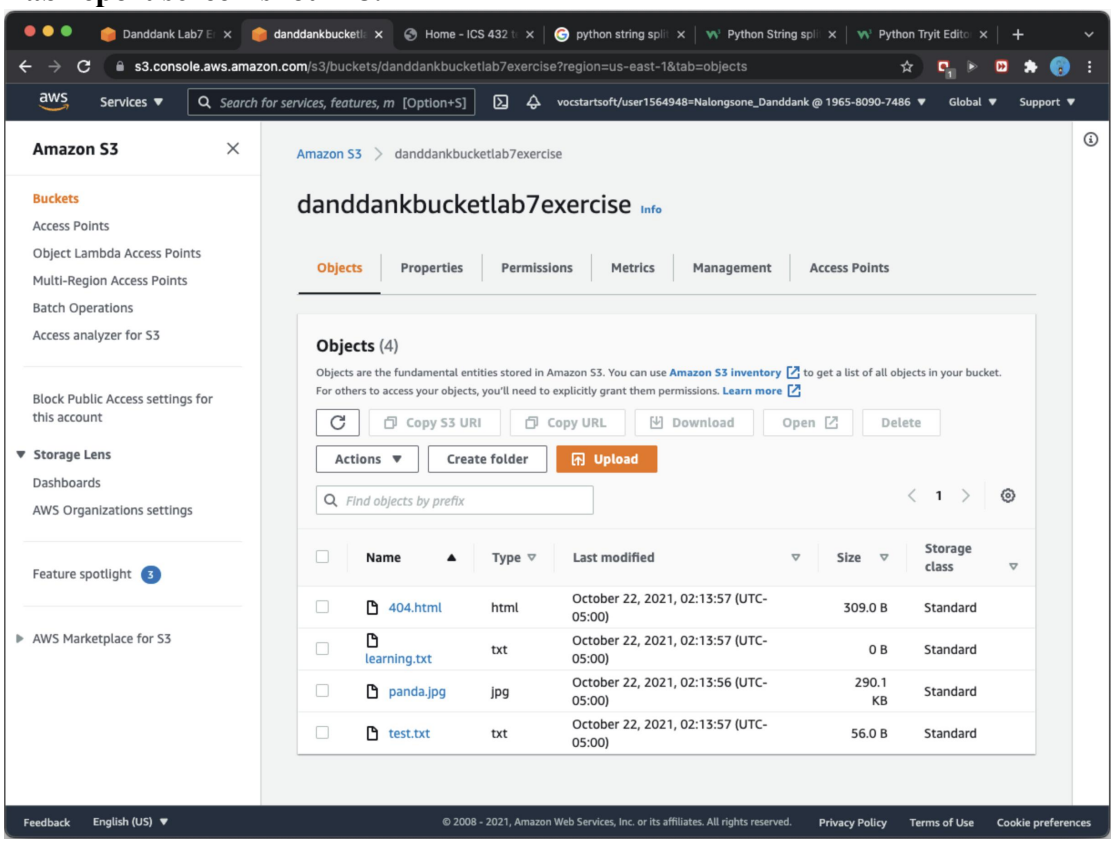
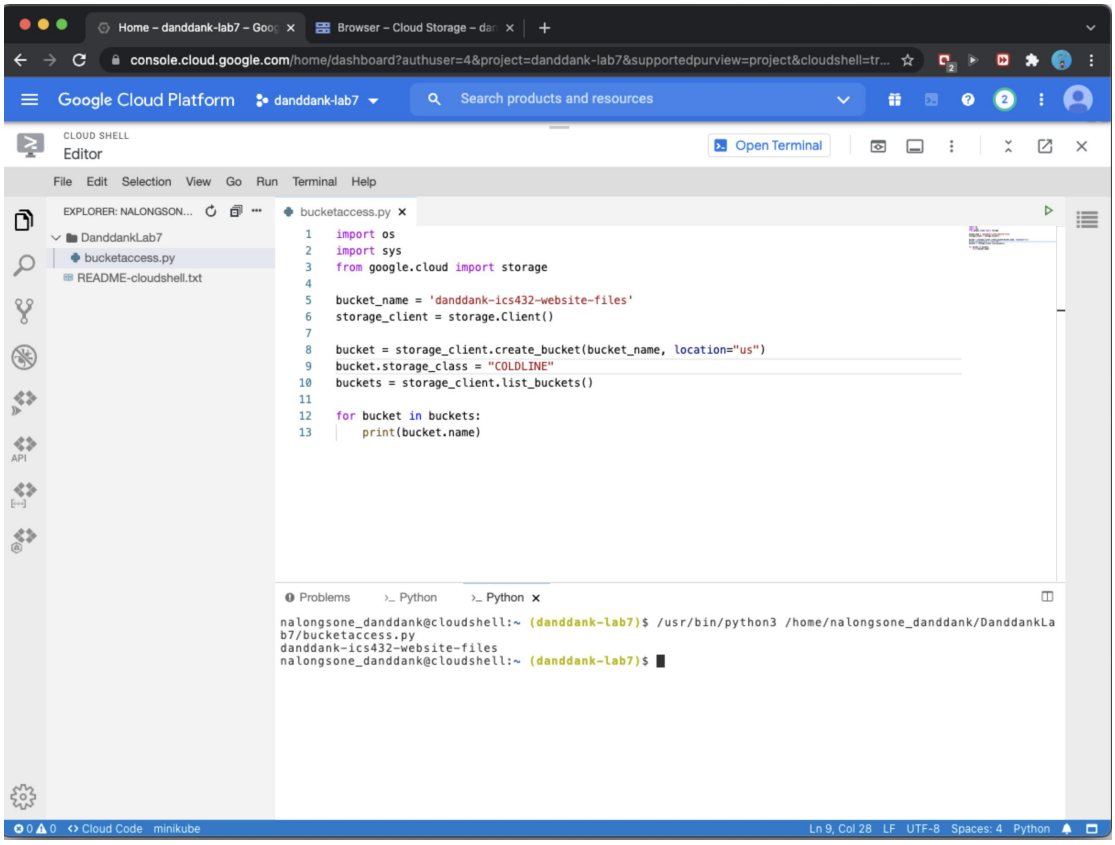
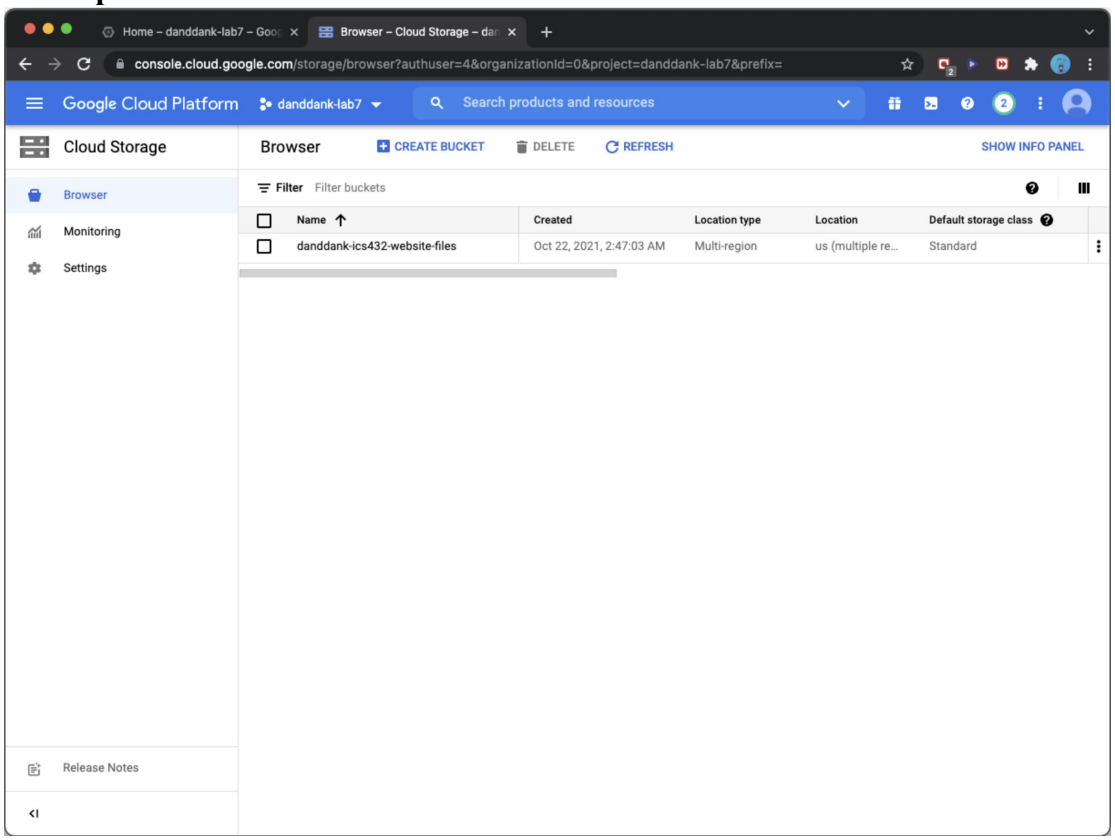


Exercise 2: Programmatic access of GCP Storage.

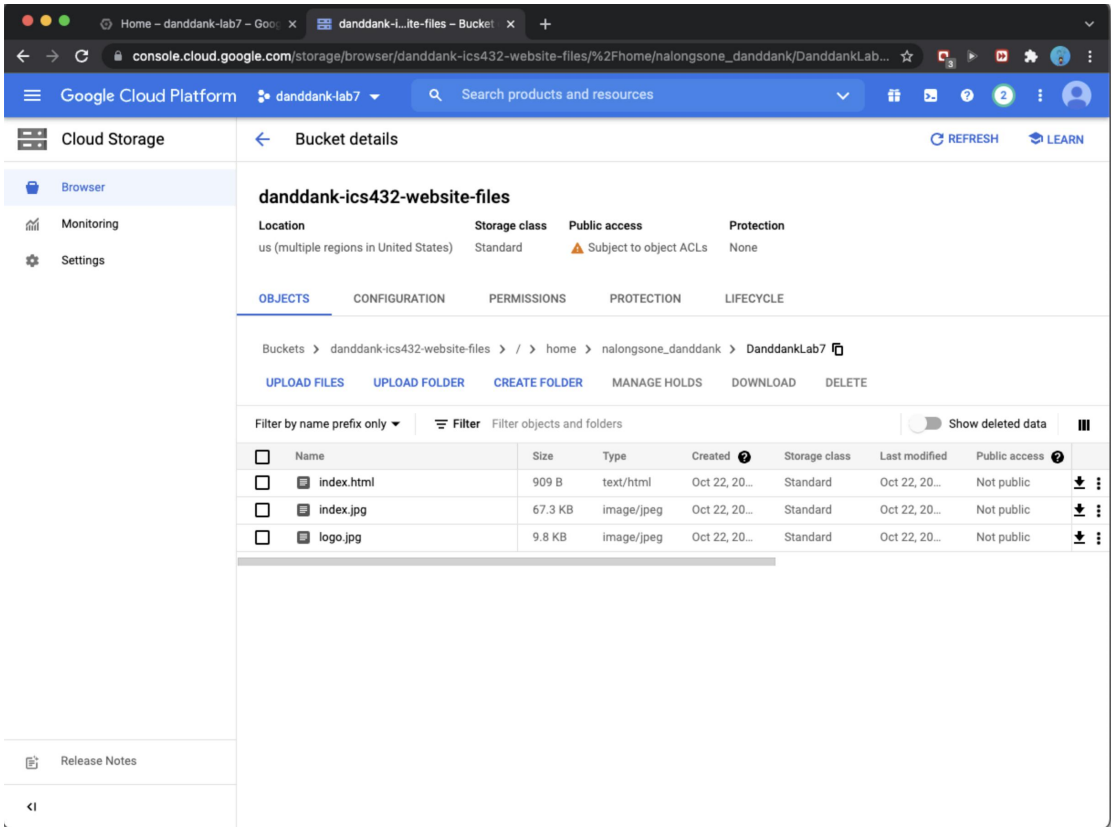
Lab report screen-shot #19:



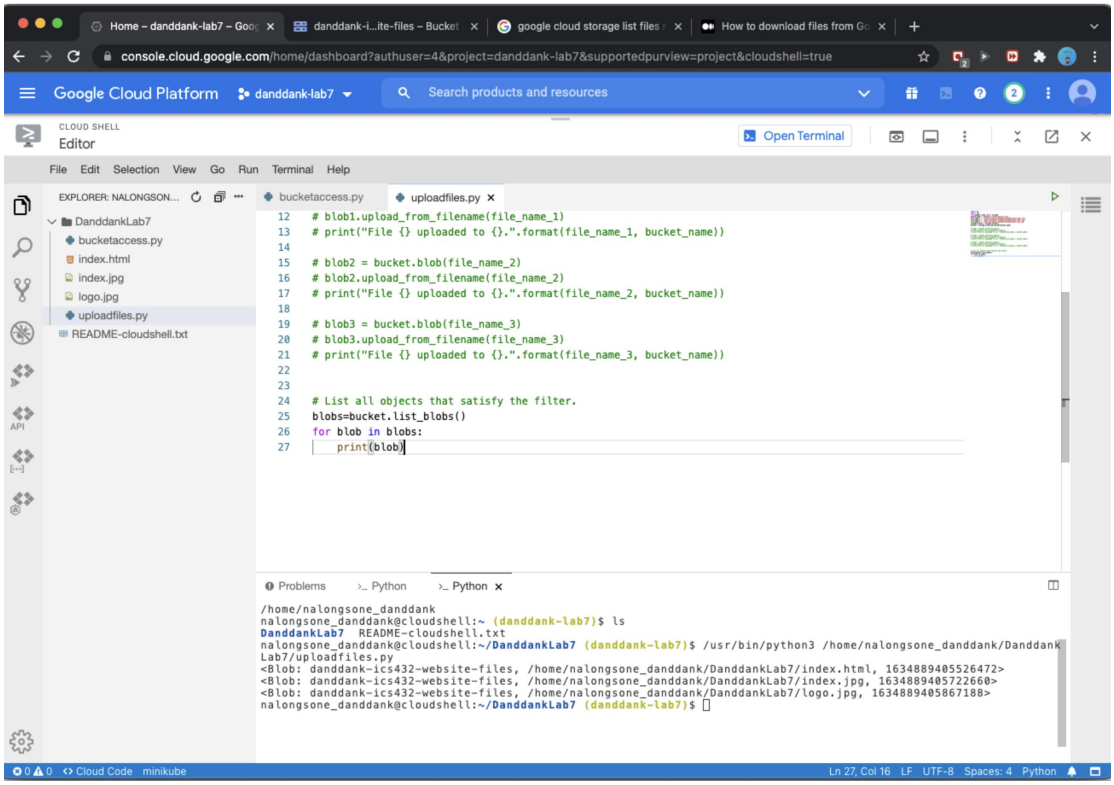
Lab report screen-shot #20:



Lab report screen-shot #21:



Lab report screen-shot #22:



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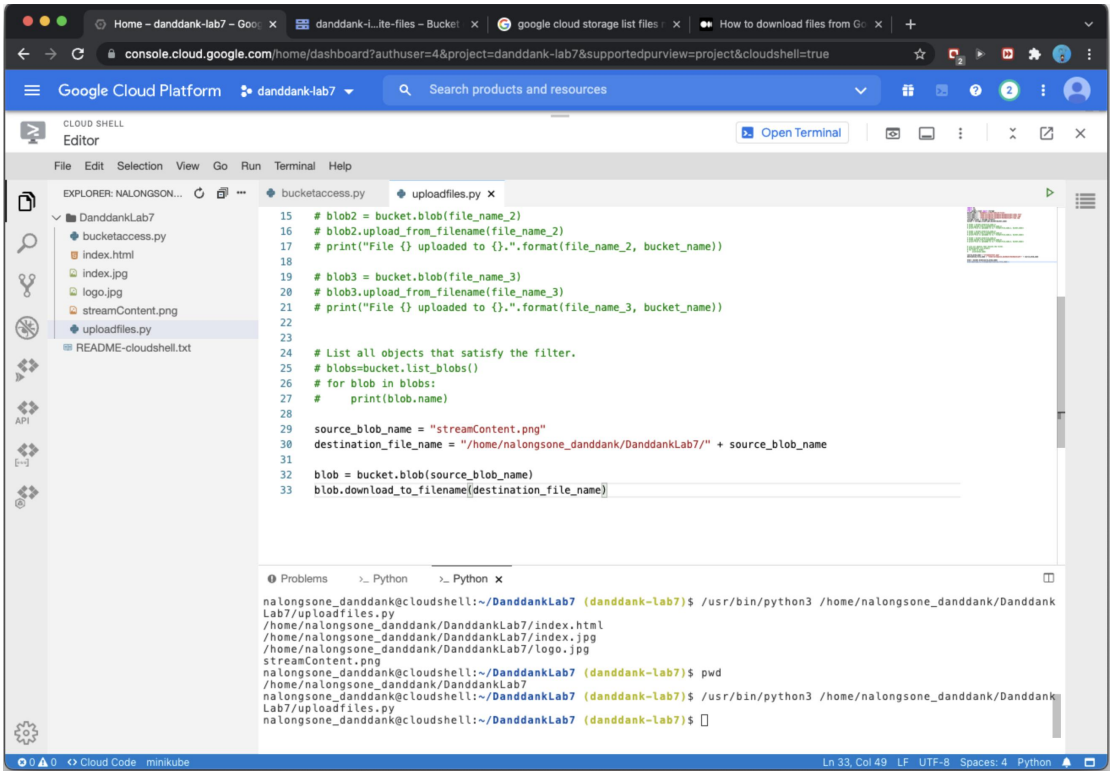
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Google Cloud Platform
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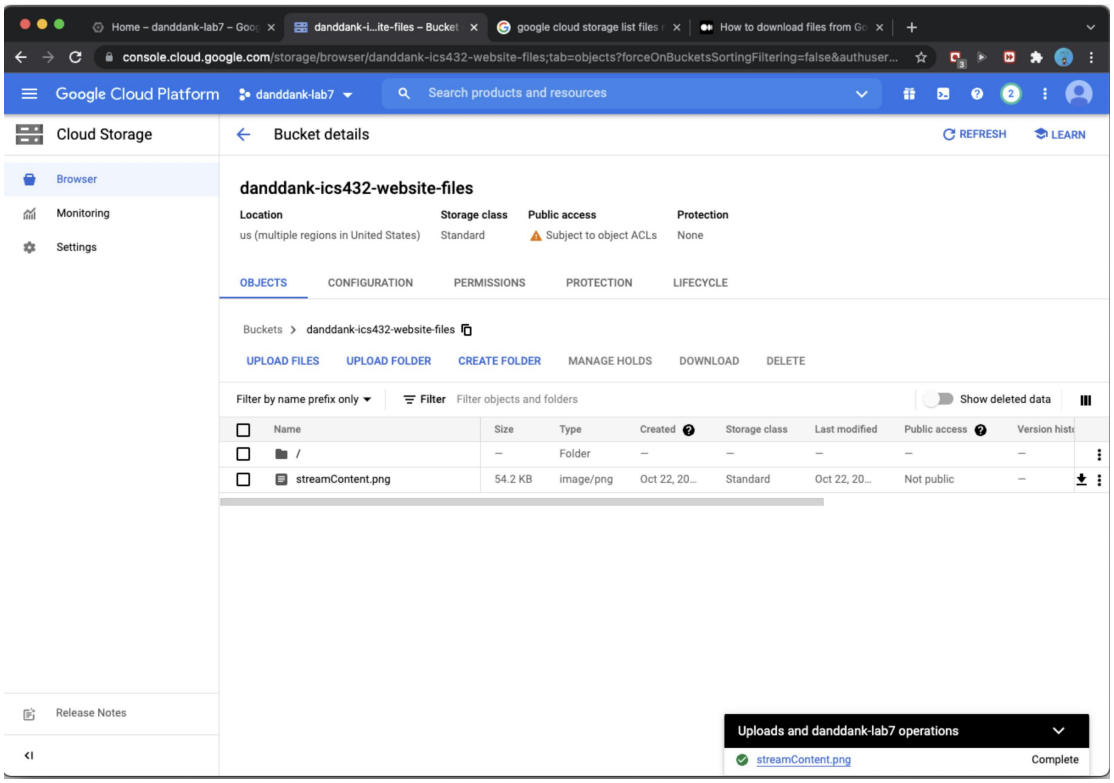
Editor
Open Terminal
File Edit Selection View Go Run Terminal Help
EXPLORER: NALONGSON...
DanddankLab7
bucketaccess.py
index.html
index.jpg
logo.jpg
streamContent.png
uploadfiles.py
README-cloudshell.txt
bucketaccess.py
uploadfiles.py
15 # blob2 = bucket.blob(file_name_2)
16 # blob2.upload_from_filename(file_name_2)
17 # print("File {} uploaded to {}.".format(file_name_2, bucket_name))
18
19 # blob3 = bucket.blob(file_name_3)
20 # blob3.upload_from_filename(file_name_3)
21 # print("File {} uploaded to {}.".format(file_name_3, bucket_name))
22
23
24 # List all objects that satisfy the filter.
25 # blobs=bucket.list_blobs()
26 # for blob in blobs:
27 #   print(blob.name)
28
29 source_blob_name = "streamContent.png"
30 destination_file_name = "/home/nalongsone_danddank/DanddankLab7/" + source_blob_name
31
32 blob = bucket.blob(source_blob_name)
33 blob.download_to_filename(destination_file_name)
Problems
Python
Python
nalongsone_danddank@cloudshell:~/DanddankLab7 (danddank-lab7)$ /usr/bin/python3 /home/nalongsone_danddank/DanddankLab7/uploadfiles.py
/home/nalongsone_danddank/DanddankLab7/index.html
/home/nalongsone_danddank/DanddankLab7/index.jpg
/home/nalongsone_danddank/DanddankLab7/logo.jpg
streamContent.png
nalongsone_danddank@cloudshell:~/DanddankLab7 (danddank-lab7)$ pwd
/home/nalongsone_danddank/DanddankLab7
nalongsone_danddank@cloudshell:~/DanddankLab7 (danddank-lab7)$ /usr/bin/python3 /home/nalongsone_danddank/DanddankLab7/uploadfiles.py
nalongsone_danddank@cloudshell:~/DanddankLab7 (danddank-lab7)$
0 0 Cloud Code minikube
Ln 33, Col 49 LF UTF-8 Spaces: 4 Python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How to download files from Go
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Google Cloud Platform
danddank-lab7
Search products and resources
Cloud Storage
Browser
Monitoring
Settings
Release Notes
Bucket details
REFRESH
LEARN
danddank-ics432-website-files
Location
us (multiple regions in United States)
Storage class
Standard
Public access
Subject to object ACLs
Protection
None
OBJECTS
CONFIGURATION
PERMISSIONS
PROTECTION
LIFECYCLE
Buckets › danddank-ics432-website-files
UPLOAD FILES
UPLOAD FOLDER
CREATE FOLDER
MANAGE HOLDS
DOWNLOAD
DELETE
Filter by name prefix only
Filter
Filter objects and folders
Show deleted data
Name
Size
Type
Created
Storage class
Last modified
Public access
Version hist
/
–
Folder
–
–
–
–
–
streamContent.png
54.2 KB
image/png
Oct 22, 20...
Standard
Oct 22, 20...
Not public
–
Uploads and danddank-lab7 operations
streamContent.png
Complete