# Assignment 3

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### Steps:

- 1. Create the service account on gcloud console
- 2. Create a pub sub topic.
- 3. Enable the required API's
- 4. Generate Key from the service account.
- 5. For Local execution we need to add Google credentials and follow the below steps OR deploy the project to gcloud and run it.

Install all the requirements using the requirement txt file.

Run the publisher.py files by using the command python3 main.py

Next, Execute the consumer.py file by using the python3 consumer.py file.

## Command used to deploy:

```
gcloud functions deploy cds561_http_server \
--gen2 \
--runtime=python311 \
--region=us-central1 \
--source=. \
--entry-point=cds561_hhtpRequest \
--trigger-http \
--allow-unauthenticated \
--memory=256MB \
```

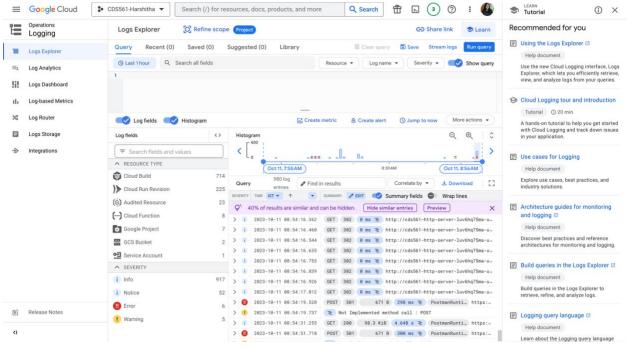
### --max-instances=83

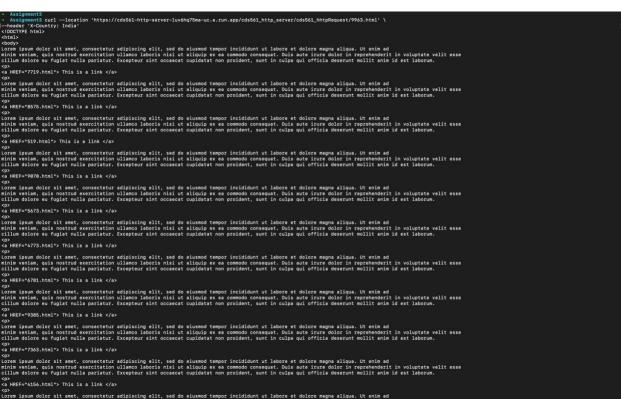
```
ent3 gcloud functions deploy cds561_http_server
         Done.
You can view your function in the Cloud Console here: https://console.cloud.google.com/functions/details/us-centrall/cds661_http_server?project=quiet-sanctuary-399818
       uildConfig:
build: projects/6il183327366/locations/us-centrell/builds/f7baae58-3fe8-4428-bbcd-a000a458d8a54
dockerRegistry: ARTIFACT_REGISTRY
entryPoint: cds6d_hhtpRequest
runties: python5il
    Tunties: python311
source:
buxet: gpf-v2-sources-611183327365-us-centrel1
generation: '1096902366545326'
object: cds661.http.server/function-source.zip
sourceProvenance:
resolvedStorageSource:
buxet: gpf-v2-sources-611183327365-us-centrel1
generation: '1096902366545326'
object: cds661.http.server/function-source.zip
environment: GEN_2
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deployment-rool: cli-gcloud
asse: projects/quist-sanctusry-399018/locations/us-centrall/functions/cds561_http_server
serviceOntgis
serviceOntg
         /Library/Frameworks/Python.framework/Versions/3.
roceed (V/n)?
Successfully uninstalled widgetsnbextension-4.0.5
Desktop
Desktop
Desktop Cesktop
Desktop clear
- Desktop pip freeze
distlib==0.3.7
filelock=3.12.4
platformdirs==3.11.0
Virtualenv=20.24.5
Desktop poloud auth login
Your browser has been opened to visit:
           http://accounts.gog)a.com/o/suth/futh/respons.typercodes.lini.id=2555946596.apg.apgolausrcontent.com/ardiret_uri-intpANATNGT/accounts.desemples.dehttp:NAMATNGT/arma.goglasis.com/arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.setini.arma.set
Enabling service (run.googleapis.com) on project [quiet-sanctuary-399018]...

Operation *operations/acf.p2-01183327865-858ba772-4334-4cb8-bc8b-c6ad485487d6* finished successfully.

API [cloudsuid, googleapis.com] not enabled on project (quiet-sanctuary-399018].

Would you like to enable and retry (this will take a few minutes)? (y/N)? y
         nabling service [cloudbuild.googleapis.com] on project [quiet-sanctuary-399018]...
peration "operations/scf.p2-61183327365-864857b6-82c8-4888-938d-bcg219d25icd* finished successfully.
esparing function...done.
       perstion 'operations/acf.p2-611183327365-a6da67b6-e2c8-4a88-938d-bcd219d28icd'
reparing function...done.
Deploying function...
[Build] Build in progress... Logs are available at [https://console.cloud.gogle.com/cloud-build/builds;regionsus-central1/d83c8b97-13f4-4f88-bc79-cf968
226dab27project-61188327365]
. [Service]
. [ArtifactRegistry]
. [Healthcheck]
```







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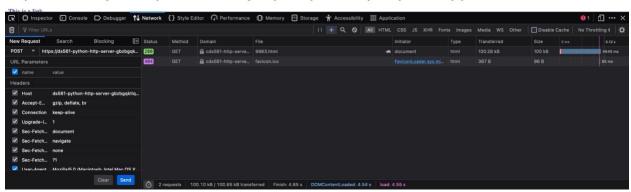
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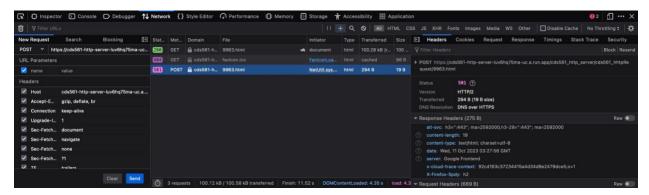
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\* Assignment3 curl --location --request POST 'https://cds561-http-server-luv6hq75ma-uc.a.run.app/cds561\_http\_server/cds561\_hhtpRequest/9963.html' \
--header 'X-Country: India'
Not Implemented yet

\* Assignment3 |

\* Assignment3 |

\* Output |

\* Assignment3 |

\* Output |

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

○ (env) + ASSIGNMENT3 python3 consumer.py

Listening for messages on projects/quiet-sanctuary-399018/subscriptions/cds561_Assignment3-sub..

Received the message from pub: b'("country": "Iran", "request": "GET", "args": "ImmutableMultiDict([])", "data": "b\'\", "message": "Request from an unauthori zed country"}".

Listening for messages on projects/quiet-sanctuary-399018/subscriptions/cds561_Assignment3-sub..

Listening for messages on projects/quiet-sanctuary-399018/subscriptions/cds561_Assignment3-sub..

Listening for messages on projects/quiet-sanctuary-399018/subscriptions/cds561_Assignment3-sub..

Listening for messages on projects/quiet-sanctuary-399018/subscriptions/cds561_Assignment3-sub..
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