INSTALLING GOOGLE APP ENGINE

STEP 1
- Download google cloud SDK from the google cloud website
[https://cloud.google.com/sdk/docs/install]

    (**OR**)

- Click the following link to download the required Google Cloud SDK
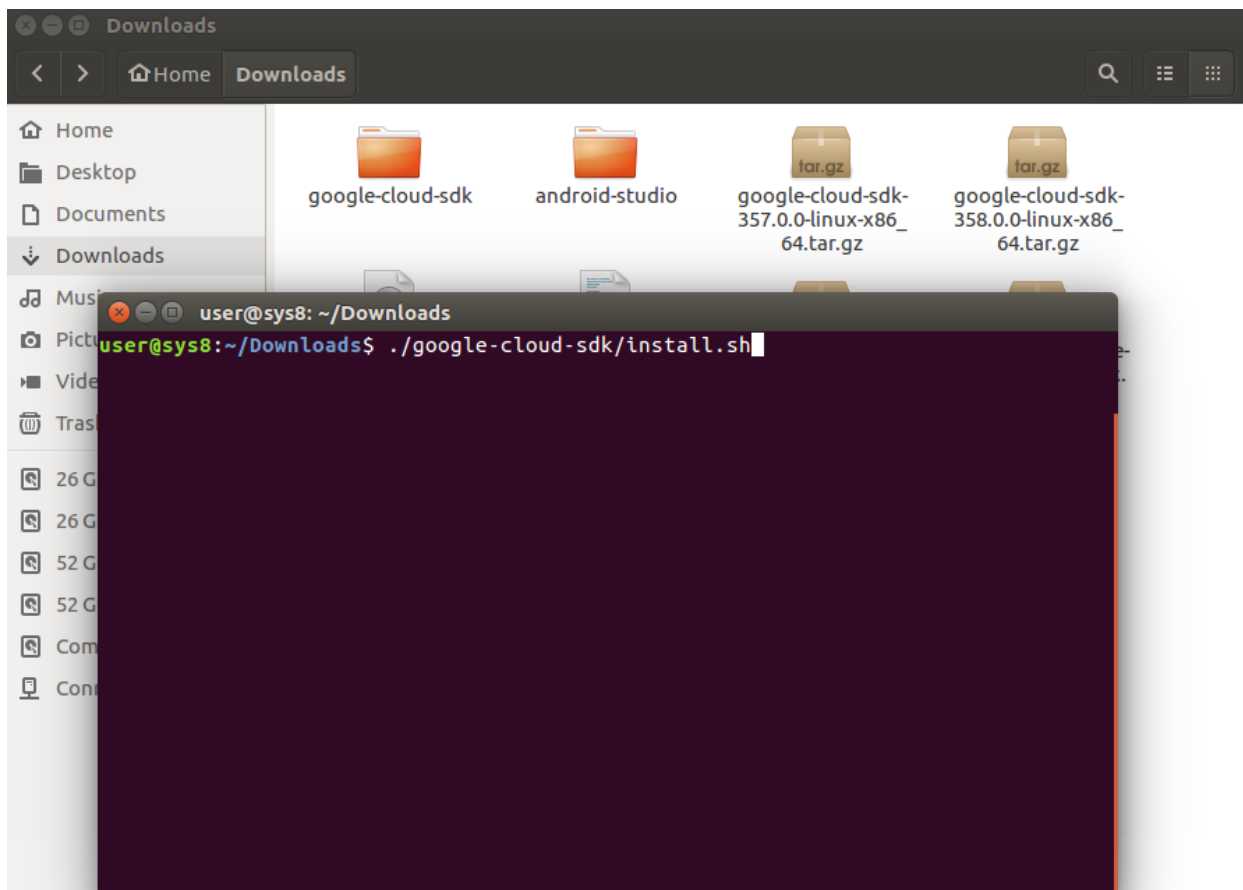
    [https://dl.google.com/dl/cloudsdk/channels/rapid/downloads/google-cloud-sdk-357.0.0-linux-x86_64.tar.gz]

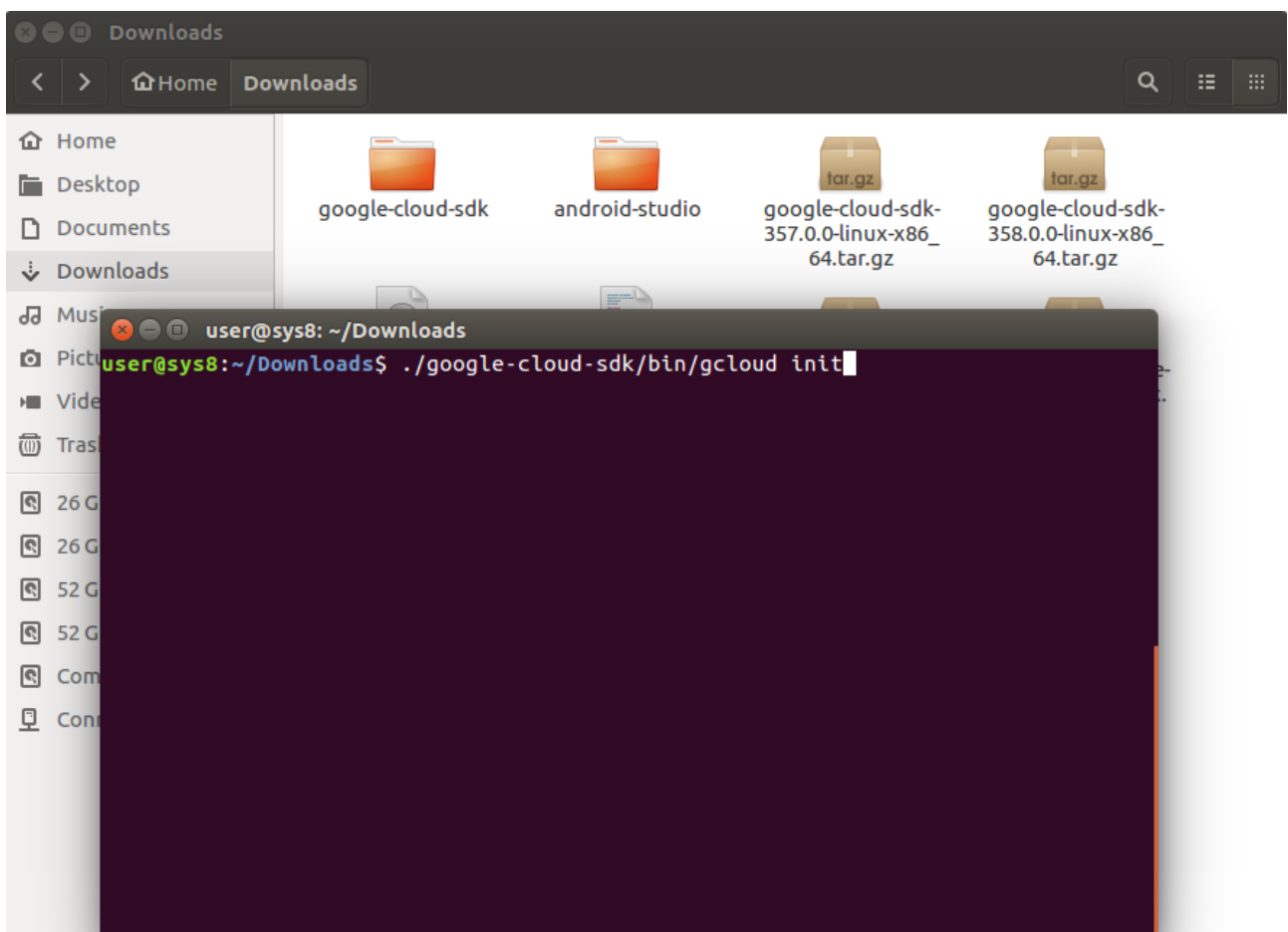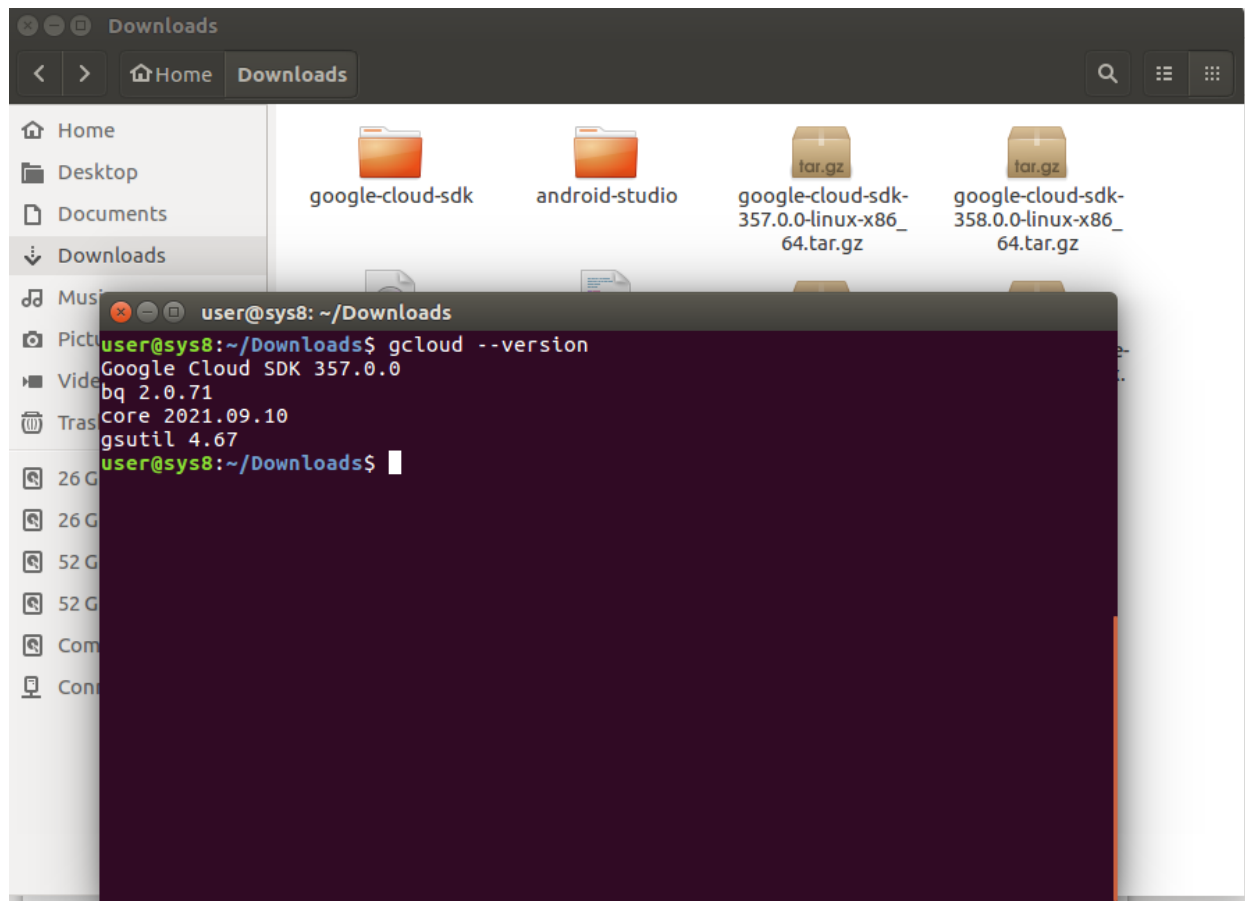- Extract the zip folder in Downloads/ folder

STEP 2
- Open new terminal in Downloads/ folder and install the google cloud

    ./google-cloud-sdk/install.sh

- Open a new terminal and initialized the gcloud
./google-cloud-sdk/bin/gcloud init

Downloads

google-cloud-sdk	android-studio	google-cloud-sdk-357.0.0-linux-x86_64.tar.gz	google-cloud-sdk-358.0.0-linux-x86_64.tar.gz

user@sys8: ~/Downloads

```
user@sys8:~/Downloads$ gcloud --version
Google Cloud SDK 357.0.0
bq 2.0.71
core 2021.09.10
gsutil 4.67
user@sys8:~/Downloads$
```

Downloads

google-cloud-sdk	android-studio	google-cloud-sdk-357.0.0-linux-x86_64.tar.gz	google-cloud-sdk-358.0.0-linux-x86_64.tar.gz

user@sys8: ~/Downloads

```
user@sys8:~/Downloads$ ./google-cloud-sdk/bin/gcloud init
```

- Login to your google account and continue the process by accepting the terms and conditions

- Now run dev_appserver.py command in your terminal.

```
user@sys8: ~/Downloads
* Run `gcloud topic --help` to learn about advanced features of the SDK like arg
  files and output formatting
user@sys8:~/Downloads$ dev_appserver.py
This action requires the installation of components: [app-engine-
python, cloud-datastore-emulator]


Your current Cloud SDK version is: 357.0.0
Installing components from version: 357.0.0

     These components will be installed.

    Name                      Version      Size

 Cloud Datastore Emulator      2.1.0     18.4 MiB
 gRPC Python library          1.20.0      2.1 MiB
 gcloud app Python Extensions 1.9.93      7.7 MiB

For the latest full release notes, please visit:
  https://cloud.google.com/sdk/release_notes

Do you want to continue (Y/n)?
```
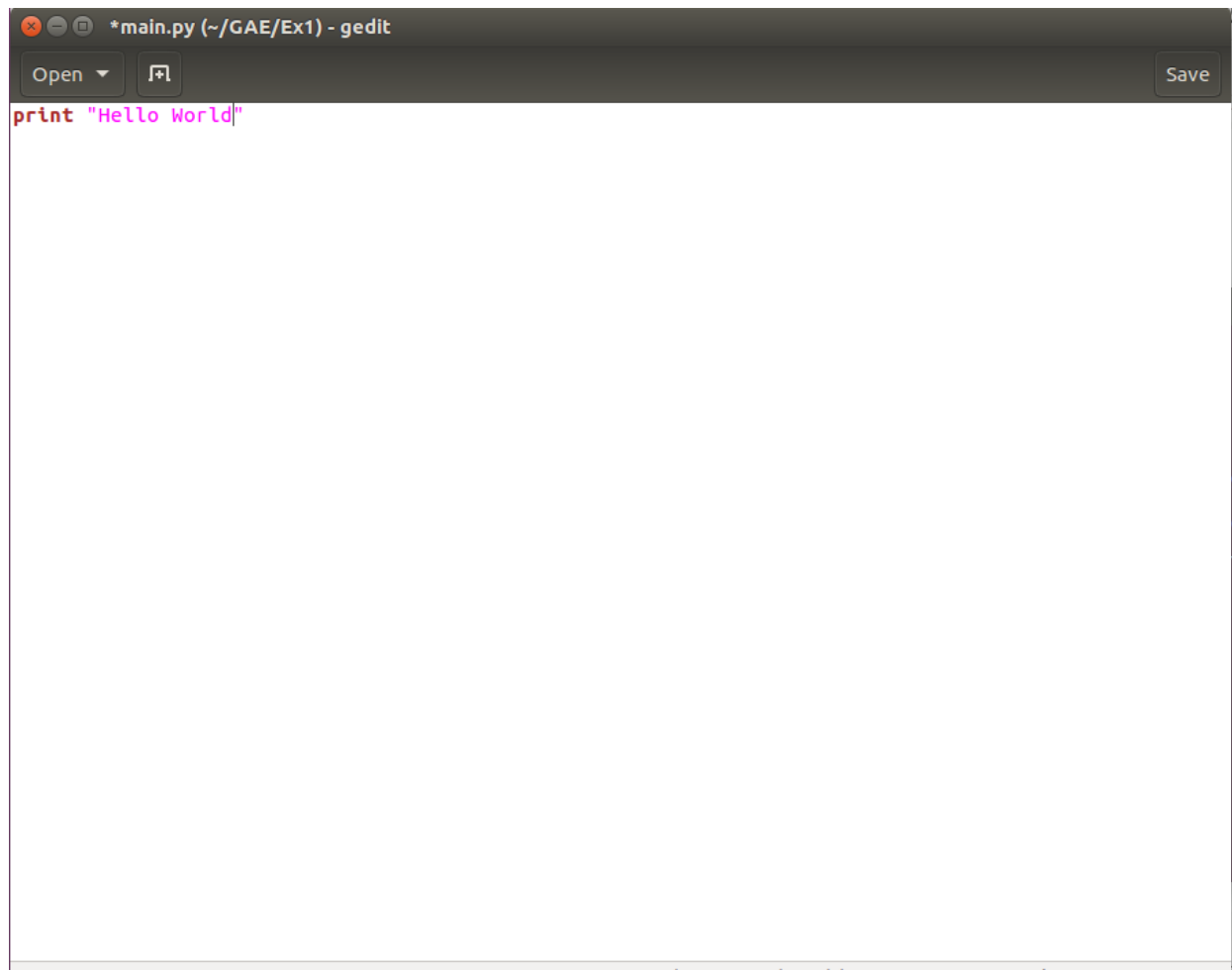
- Create a main.py file and app.yaml file in your desired folder

- Inside main.py write a simple hello world program

- In your app.yaml add the following configurations

```
runtime: python27
api_version: 1
threadsafe: false

handlers:
- url: /.*
  script: main.py
  secure: always
  login: admin
```

- Finally run the app using

  dev_appserver.py "app.yaml"


```
user@sys8:~/Downloads$ cd ..
user@sys8:~$ ls
Android             Desktop         GAE-Projects   snap
AndroidStudioProjects   Documents      Music          Templates
curl-7.50.3         Downloads       Pictures       Videos
curl-7.50.3.tar.gz  examples.desktop  Public        vmware
user@sys8:~$ mkdir -p GAE/Ex1/
user@sys8:~$ cd GAE/Ex1/
user@sys8:~/GAE/Ex1$ touch main.py app.yaml
user@sys8:~/GAE/Ex1$ gedit main.py
user@sys8:~/GAE/Ex1$ gedit app.yaml
user@sys8:~/GAE/Ex1$ dev_appserver.py "app.yaml"
INFO     2021-09-30 08:07:26,554 devappserver2.py:309] Skipping SDK update check
.
WARNING  2021-09-30 08:07:26,964 simple_search_stub.py:1196] Could not read sear
ch indexes from /tmp/appengine.None.user/search_indexes
INFO     2021-09-30 08:07:26,965 api_server.py:383] Starting API server at: http
://localhost:38679
INFO     2021-09-30 08:07:27,017 dispatcher.py:267] Starting module "default" ru
nning at: http://localhost:8080
INFO     2021-09-30 08:07:27,018 admin_server.py:150] Starting admin server at:
http://localhost:8000
INFO     2021-09-30 08:07:29,037 instance.py:294] Instance PID: 5617
```

- Go to http://localhost:8000/