Steps to deploy a RESTful API in Google Cloud Platform (GCP):

1. Sign Up or Sign In with you Google Account.
2. Make a project with GCP.

<https://console.cloud.google.com/getting-started>

1. Create an App Engine and note the project id.
2. Install Google Cloud SDK.

<https://cloud.google.com/sdk/docs/quickstart-windows>

1. Make sure that the following are selected:

Start Google Cloud SDK Shell

Run 'gcloud init'

The installer then starts a terminal window and runs the gcloud init command.

1. To initialize the SDK:

Run the following at a command prompt:

gcloud init

Note: To prevent the command from launching a web browser, use gcloud init --console-only instead. To authorize without a web browser and non-interactively, create a service account with the appropriate scopes using the Google Cloud Platform Console and use gcloud auth activate-service-account with the corresponding JSON key file.

1. Accept the option to log in using your Google user account:

To continue, you must log in. Would you like to log in (Y/n)? Y

In your browser, log in to your Google user account when prompted and click Allow to grant permission to access Google Cloud Platform resources.

1. At the command prompt, select a Cloud Platform project from the list of those where you have Owner, Editor or Viewer permissions:

Pick cloud project to use:

[1] [my-project-1]

[2] [my-project-2]

...

Please enter your numeric choice:

If you only have one project, gcloud init selects it for you.

If you have the Google Compute Engine API enabled, gcloud init allows you to choose a default Compute Engine zone:

Which compute zone would you like to use as project default?

[1] [asia-east1-a]

[2] [asia-east1-b]

...

[14] Do not use default zone

Please enter your numeric choice:

gcloud init confirms that you have complete the setup steps successfully:

gcloud has now been configured!

You can use [gcloud config] to change more gcloud settings.

Your active configuration is: [default]

1. Run the following command to install the gcloud component that includes the App Engine extension for Python:

gcloud components install app-engine-python

1. Write your code or refer to the code repository. Go to the folder with your code and locally test the program with following command:

dev\_appserver.py app.yaml

The local development server is now running and listening for requests on port 8080.

Visit http://localhost:8080/ in your web browser to view the app.

1. To deploy your app to App Engine, run the following command from within the root directory of your application where the app.yaml file is located:

gcloud app deploy