

```
C:\Users\aliha\AppData\Local\Google\Cloud SDK>gcloud projects create cloud-app-dev-222222 --name="Cloud App Dev Assignment"
Create in progress for [https://cloudresourceanager.googleapis.com/v1/projects/cloud-app-dev-222222].
Waiting for [operations/cp.7750282895658402870] to finish...done.
Enabling service [cloudapis.googleapis.com] on project [cloud-app-dev-222222]...
Operation "operations/acet.p2-163437157134-292ab55b-caad-41bb-b351-9247fc1be92e" finished successfully.
```

Create project and set default

```
C:\Users\aliha\AppData\Local\Google\Cloud SDK>mkdir hello-world-app

C:\Users\aliha\AppData\Local\Google\Cloud SDK>cd hello-world-app

C:\Users\aliha\AppData\Local\Google\Cloud SDK\hello-world-app>
```

Create Directory

```
C:\Users\aliha>pip install flask
Collecting flask
  Obtaining dependency information for flask from https://files.pythonhosted.org/packages/61/80/ffe1da13ad9300f87c93af111edd0638c75138c42a0994becfacac078c06/flask-3.0.3-py3-none-any.whl.metadata
  Downloading flask-3.0.3-py3-none-any.whl.metadata (3.2 kB)
Collecting Werkzeug>=3.0.0 (from flask)
  Obtaining dependency information for Werkzeug>=3.0.0 from https://files.pythonhosted.org/packages/4b/84/997bbf7c2bf2dc3f09565cd0b4959fefe535c18c4096cfd26d83e0785b/werkzeug-3.0.4-py3-none-any.whl.metadata
  Downloading werkzeug-3.0.4-py3-none-any.whl.metadata (3.7 kB)
Collecting Jinja2>=3.1.2 (from flask)
  Obtaining dependency information for Jinja2>=3.1.2 from https://files.pythonhosted.org/packages/31/80/3a54838c3fb461f6fec263ebf3a3a41771bd05190238dc3486aae8540c36/jinja2-3.1.4-py3-none-any.whl.metadata
  Downloading Jinja2-3.1.4-py3-none-any.whl.metadata (2.6 kB)
Collecting itsdangerous>=2.1.2 (from flask)
  Obtaining dependency information for itsdangerous>=2.1.2 from https://files.pythonhosted.org/packages/04/96/92447566d16df59b2a776c0fb82dbc4d9e07cd95062562af01e408583fc4/itsdangerous-2.2.0-py3-none-any.whl.metadata
  Downloading itsdangerous-2.2.0-py3-none-any.whl.metadata (1.9 kB)
Collecting click>=8.1.3 (from flask)
  Obtaining dependency information for click>=8.1.3 from https://files.pythonhosted.org/packages/00/2e/d53fadbebf2cfa713304affc7ca780ce4c1fd8710527771b58311a3229/click-8.1.7-py3-none-any.whl.metadata
  Downloading click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting blinker>=1.6.2 (from flask)
  Obtaining dependency information for blinker>=1.6.2 from https://files.pythonhosted.org/packages/bb/2a/10164ed1f31196a2f7f3799368a821765c62851ead0e630ab52b8e14b4d0/blinker-1.8.2-py3-none-any.whl.metadata
  Downloading blinker-1.8.2-py3-none-any.whl.metadata (1.6 kB)
Collecting colorama (from click>=8.1.3->flask)
  Obtaining dependency information for colorama from https://files.pythonhosted.org/packages/d1/d6/3965cd04c63042e047cb6a3e6ed1a63a35087b6a09aa3a15cd8ac56c221/colorama-0.4.6-py2.py3-none-any.whl.metadata
  Downloading colorama-0.4.6-py2.py3-none-any.whl.metadata (17 kB)
Collecting MarkupSafe>=2.0 (from Jinja2>=3.1.2->flask)
  Obtaining dependency information for MarkupSafe>=2.0 from https://files.pythonhosted.org/packages/3f/14/c3554d512d5f9100a95e737502f4a2323a1959f6d0d01e0d0997b35f7b10/MarkupSafe-2.1.5-cp312-cp312-win_amd64.whl.m
  Downloading MarkupSafe-2.1.5-cp312-cp312-win_amd64.whl.metadata (3.1 kB)
Download flask-3.0.3-py3-none-any.whl (101 kB)
----- 101.7/101.7 kB 391.0 kB/s eta 0:00:00
Download blinker-1.8.2-py3-none-any.whl (9.5 kB)
Download click-8.1.7-py3-none-any.whl (97 kB)
----- 97.0/97.0 kB 2.8 MB/s eta 0:00:00
Download itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Download Jinja2-3.1.4-py3-none-any.whl (133 kB)
----- 133.3/133.3 kB 3.8 MB/s eta 0:00:00
Download werkzeug-3.0.4-py3-none-any.whl (227 kB)
----- 227.0/227.0 kB 1.7 MB/s eta 0:00:00
Download MarkupSafe-2.1.5-cp312-cp312-win_amd64.whl (17 kB)
Download colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Installing collected packages: MarkupSafe, itsdangerous, colorama, blinker, Werkzeug, Jinja2, click, flask
Successfully installed Jinja2-3.1.4 MarkupSafe-2.1.5 Werkzeug-3.0.4 blinker-1.8.2 click-8.1.7 colorama-0.4.6 flask-3.0.3 itsdangerous-2.2.0

[notice] A new release of pip is available: 23.2.1 -> 24.2
[notice] To update, run: python.exe -m pip install --upgrade pip
```

Install Flask

```
app – Блокнот
Файл Правка Формат Вид Справка
runtime: python39
handlers:
- url: /*
  script: auto
```

Create .yaml file

```

C:\Users\aliha\AppData\Local\Google\Cloud SDK\hello-world-app>gcloud app deploy
Services to deploy:

descriptor:      [C:\Users\aliha\AppData\Local\Google\Cloud SDK\hello-world-app\app.yaml]
source:          [C:\Users\aliha\AppData\Local\Google\Cloud SDK\hello-world-app]
target project:  [cloud-app-dev-222222]
target service:  [default]
target version:  [20241007t223421]
target url:      [https://cloud-app-dev-222222.el.r.appspot.com]
target service account: [cloud-app-dev-222222@appspot.gserviceaccount.com]

Do you want to continue (Y/n)? Y

Beginning deployment of service [default]...

- Uploading 0 files to Google Cloud Storage -

File upload done.
Updating service [default]...done.
Setting traffic split for service [default]...done.

```

Deploy files

<https://cloud-app-dev-123123.el.r.appspot.com/>

```

Pick cloud project to use:
[1] civic-meridian-435815-u4
[2] cloud-app-dev-22
[3] i-woodland-435815-e8
[4] Enter a project ID
[5] Create a new project
Please enter numeric choice or text value (must exactly match list item): 2

Your current project has been set to: [cloud-app-dev-22].

Not setting default zone/region (this feature makes it easier to use
[gcloud compute] by setting an appropriate default value for the
--zone and --region flag).
See https://cloud.google.com/compute/docs/gcloud-compute section on how to set
default compute region and zone manually. If you would like [gcloud init] to be
able to do this for you the next time you run it, make sure the
Compute Engine API is enabled for your project on the
https://console.developers.google.com/apis page.

```

Choose your project

Содержимое папки C:\Users\aliha\AppData\Local\Google\Cloud SDK

```
08.10.2024 01:09 <DIR> .
08.10.2024 01:09 <DIR> ..
07.10.2024 23:15 <DIR> assignment2
16.09.2024 21:12      263 cloud_env.bat
16.09.2024 21:12 <DIR> google-cloud-sdk
08.10.2024 00:47 <DIR> helloWorldFunction
16.09.2024 21:13      1 install_mode
11.06.2024 23:30      1 150 supercloud-16x16.ico
16.09.2024 21:13     63 591 uninstaller.exe
      4 файлов      65 005 байт
      5 папок 815 126 786 048 байт свободно
```

C:\Users\aliha\AppData\Local\Google\Cloud SDK>cd helloWorldFunction

```
1 exports.helloWorld = (req, res) => {
2   res.send('Hello, World!');
3 }
4
```

```
1 {
2   "name": "helloWorldFunction",
3   "version": "1.0.0",
4   "main": "index.js",
5   "engines": {
6     "node": "18.x"
7   }
8 }
9
```