

# GOOGLE CLOUD FUNDAMENTALS: GETTING STARTED WITH APP ENGINE

## 1. Initialize your App Engine app with your project and choose its region

```
gcloud app create --project=$DEVSHHELL_PROJECT_ID
```

## 2 Clone the source code repository for a sample application in the hello\_world directory:

```
git clone https://github.com/GoogleCloudPlatform/python-docs-samples
```

## 3 Navigate to the source directory:

```
cd python-docs-samples/appengine/standard_python3/hello_world
```

```
# Run Hello World application locally
```

## 4 Execute the following command to download and update the packages list.

```
sudo apt-get update
```

## 5 Set up a virtual environment in which you will run your application. Python virtual environments are used to isolate package installations from the system.

```
sudo apt-get install virtualenv
```

## 6 Activate the virtual environment

```
source venv/bin/activate
```

### **7 Navigate to your project directory and install dependencies.**

```
pip install -r requirements.txt
```

### **8 Run the application**

```
python main.py
```

## **DEPLOY AND RUN HELLO WORLD ON APP ENGINE**

### **9 Navigate to the source directory:**

```
cd ~/python-docs-samples/appengine/standard_python3/hello_world
```

### **10 Deploy your Hello World application.**

```
gcloud app deploy
```

### **11 Launch your browser to view the app at [http://YOUR\\_PROJECT\\_ID.appspot.com](http://YOUR_PROJECT_ID.appspot.com)**

```
gcloud app browse
```