**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=$DEVSHELL\_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**

gcloud app browse