Creating docker image for flask app

- Setup Flask and Docker file
- Make Project Folder
- Open your terminal and make a folder for your flask application let’s say “flask_docker_demo”
- by executing the following commands:

```
$mkdir flask_docker_demo

$cd flask_docker_demo #to change the directory
```

- You can also create the folder and above files manually. If you don’t have Gedit installed then you can use any code editor.

Enter following in terminal

```
$gedit demo.py
```

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Paste the following code into “demo.py”.

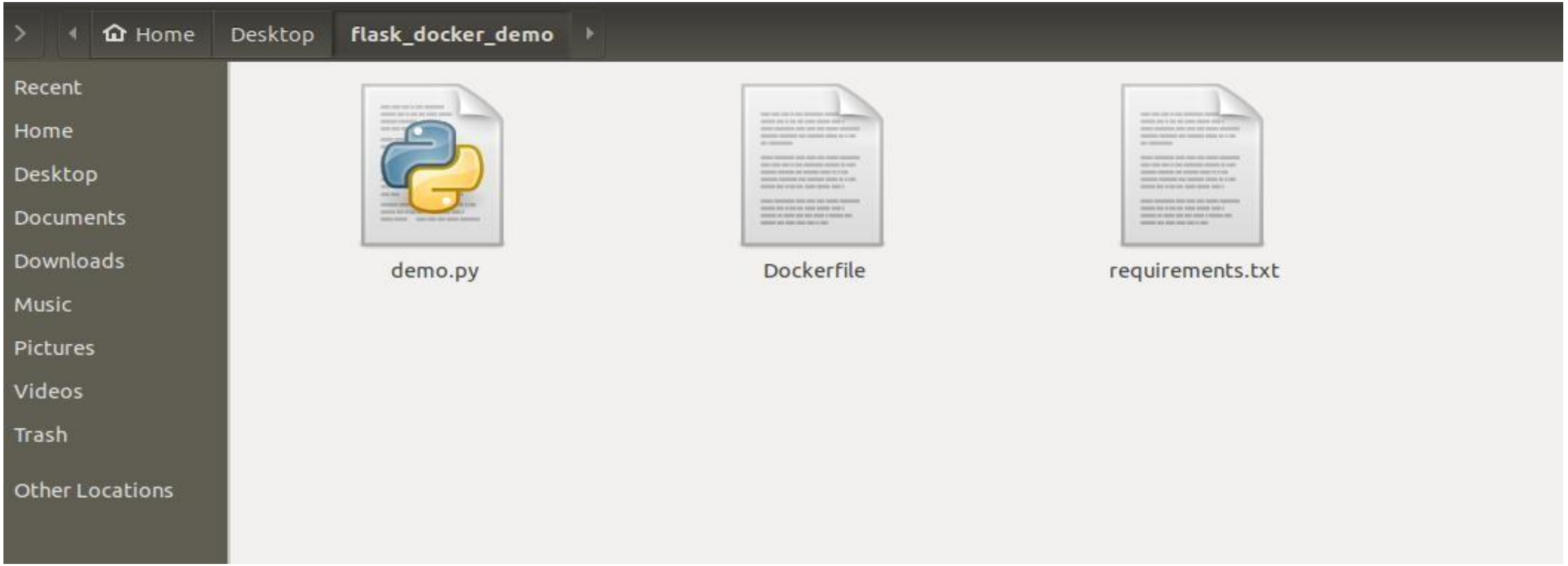
```
from flask import
Flaskapp = Flask(
_____name
_____)

@app.route('/')
def hello():
return "welcome to the flask tutorials"
if__name___== "__main__":
app.run(host ='0.0.0.0', port = 5001, debug = True)
```

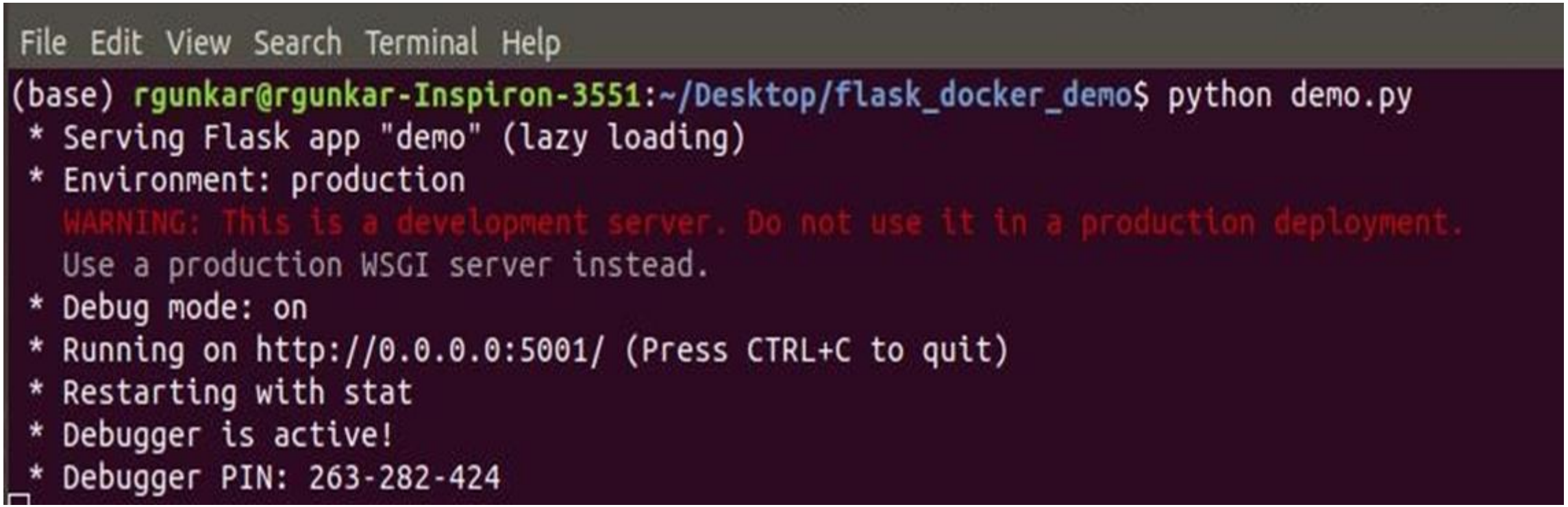
Insert the following code into the Docker file created earlier. Add a new file and name is as “Docker file” if you haven’t created it already using gedit. Don’t give any extension. Paste the following code into it

```
FROM
python:alpine3.7COPY
. /app
WORKDIR /app
RUN pip install -r
requirements.txtEXPOSE 5001
ENTRYPOINT [
"python" ]CMD [
"demo.py" ]
```

Copy the following into “requirements.txt” file. Create the requirements.txt manually if you haven’t created it already with ged it and Add the following line into it “flask”. We should have the following structure right now.



Test the flask app. Go inside the root folder “flask-docker-demo” if you aren’talready in this directory and run the following command “python demo.py” It should start our development server which comes with the flask on “http://0.0.0.0:5001/”see the screenshot below.



We should have the following output in the browser