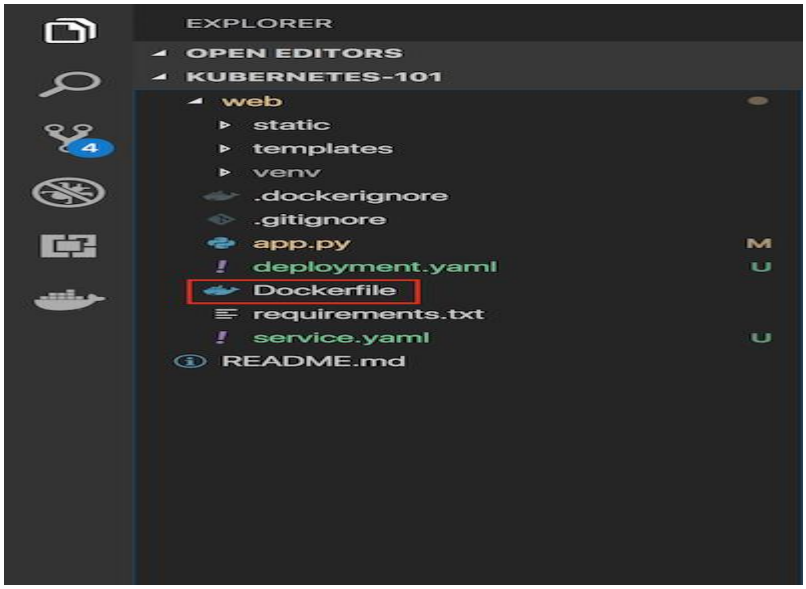
SIMPLE PYTHON APPLICATION WITH KUBERNETES

STEP 1:



- The first part of the code above is:

```
FROM python:2.7
```

- Let's look at the next part of the code:

```
LABEL maintainer="paru parkavi, paru parkavir@ibm.com"
RUN apt-get update
```

- Note the maintainer and update the Ubuntu package index. The command is RUN, which is a function that runs the command after it.

```
RUN mkdir /app
WORKDIR /app
COPY . /app
```

- Now that we have our repository copied to the image, we will install all of our dependencies, which is defined in the requirements.txt part of the code.

```
RUN pip install --no-cache-dir -r requirements.txt
```

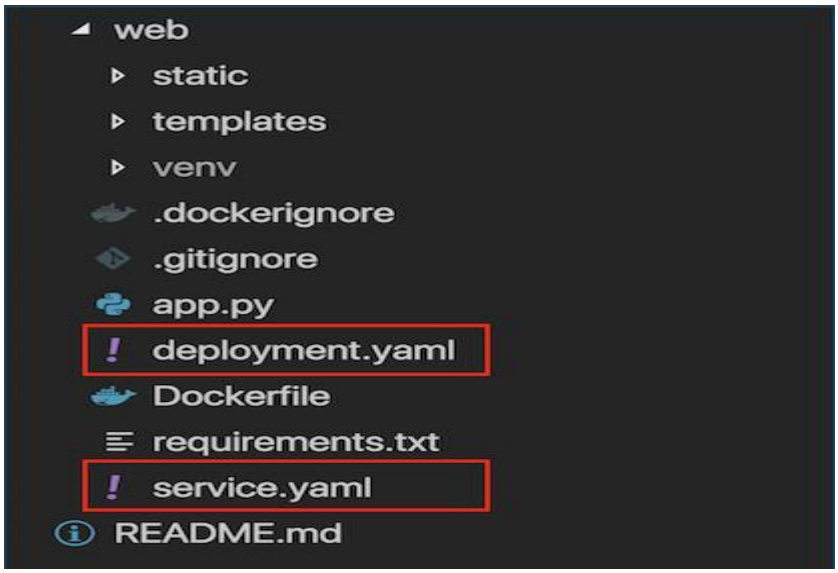
- We want to expose the port(5000) the Flask application runs on, so we use EXPOSE.

```
EXPOSE 5000
```

ENTRYPOINT specifies the entrypoint of your application.

```
ENTRYPOINT [ "python" ]
CMD [ "app.py" ]
```

Create configuration files for Kubernetes



The output window: