

DEPLOYMENT OF APP IN IBM CLOUD

CONTAINERIZE THE APP

TEAM ID	PNT2022TMID12171
PROJECT NAME	Smart Fashion Recommender Application

In your project directory, create a file named "Dockerfile". In the file, paste this code. Open the terminal and type this command to build an image from your Dockerfile: `docker build -t hello-world:latest`.

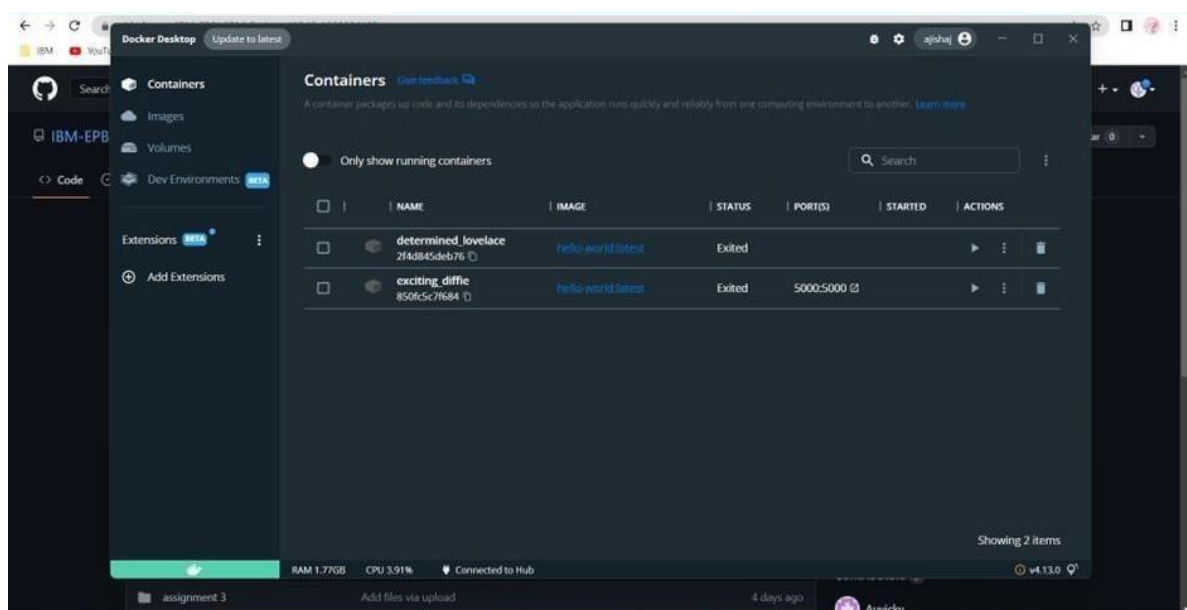
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a project named 'FLASK' with files like 'Dockerfile', 'pyvenv.cfg', and 'app.py'. The Dockerfile is open in the editor, showing the following content:

```

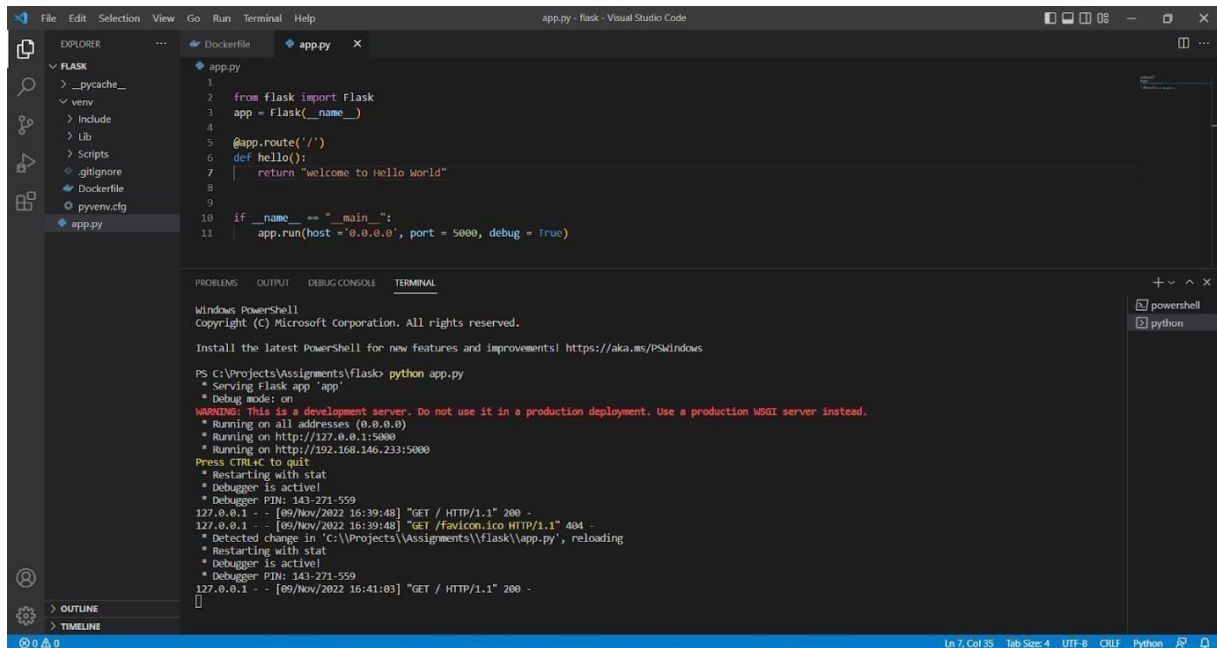
1 FROM python:2.7
2 LABEL maintainer="Kunal Malhotra, kunal.malhotra@ibm.com"
3 RUN apt-get update
4 RUN mkdir /app
5 WORKDIR /app
6 COPY . /app
7 RUN pip install -r requirements.txt
8 EXPOSE 5000
9 ENTRYPOINT [ "python" ]
10 CMD [ "app.py" ]

```

The TERMINAL pane at the bottom shows the output of the `docker build` command, listing various runtime and security options for the container.



Test by running the code in localhost



The screenshot shows the Visual Studio Code interface with a Flask application running. The Explorer panel on the left shows the project structure, including files like `__pycache__`, `venv`, `include`, `lib`, `scripts`, `.gitignore`, `Dockerfile`, `pyvenv.cfg`, and `app.py`. The main editor displays the `app.py` file with the following code:

```
1
2 from flask import Flask
3 app = Flask(__name__)
4
5 @app.route('/')
6 def hello():
7     return "welcome to Hello World"
8
9
10 if __name__ == "__main__":
11     app.run(host='0.0.0.0', port = 5000, debug = True)
```

The TERMINAL panel at the bottom shows the output of running the application. It starts with a Windows PowerShell prompt, followed by the command `python app.py`. The output indicates that the application is running on `http://127.0.0.1:5000` and displays a warning about using a development server. The terminal also shows several GET requests from `127.0.0.1` and the response `200`.

