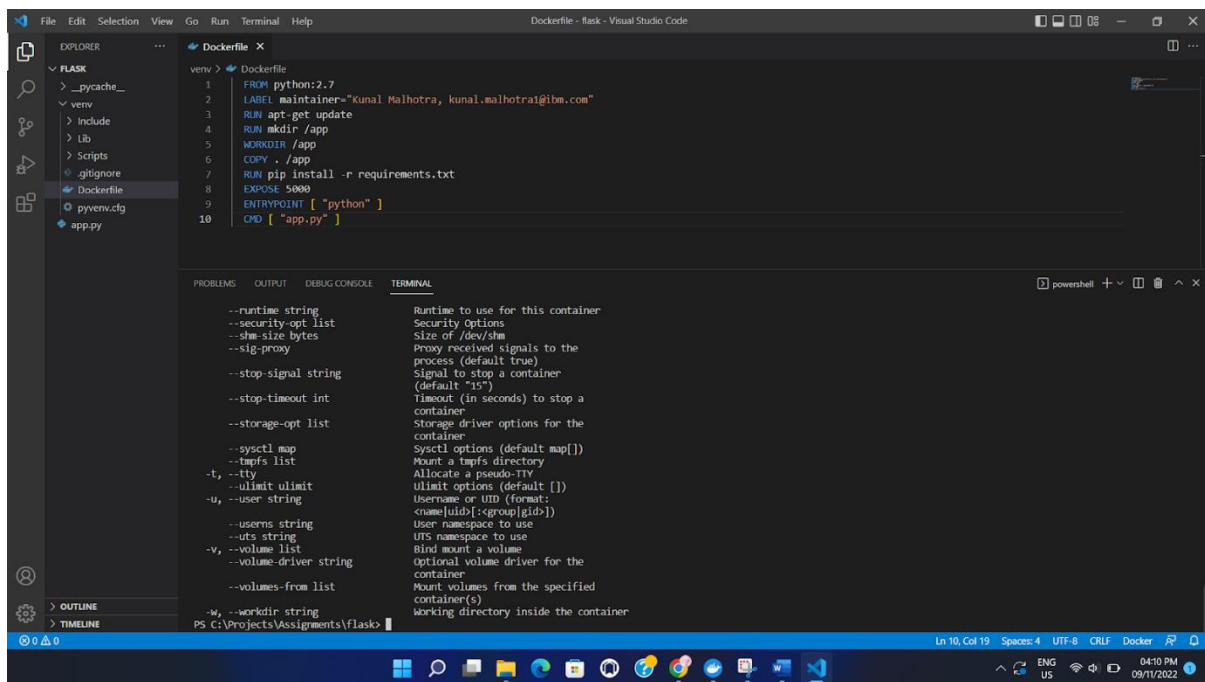


# DEPLOYMENT OF APP IN IBM CLOUD

## CONTAINERIZE THE APP

TEAM ID	PNT2022TMID52257
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`.



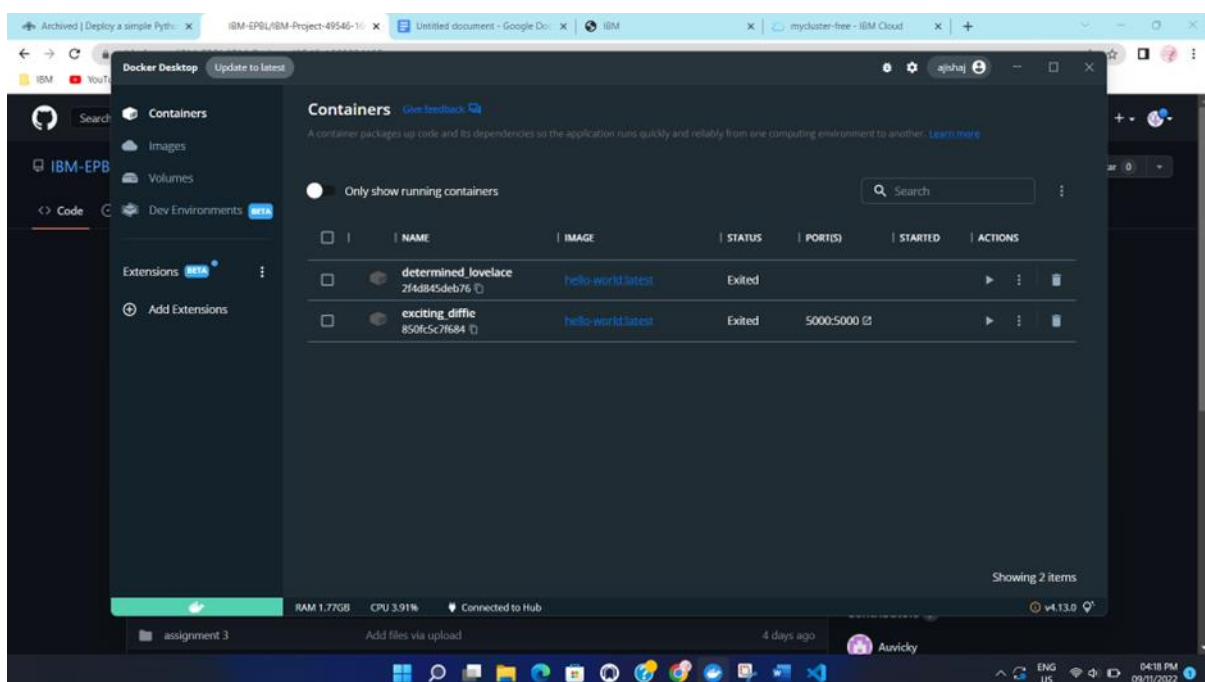
The screenshot shows the Visual Studio Code interface with a Dockerfile open in the editor. The Dockerfile contains the following code:

```

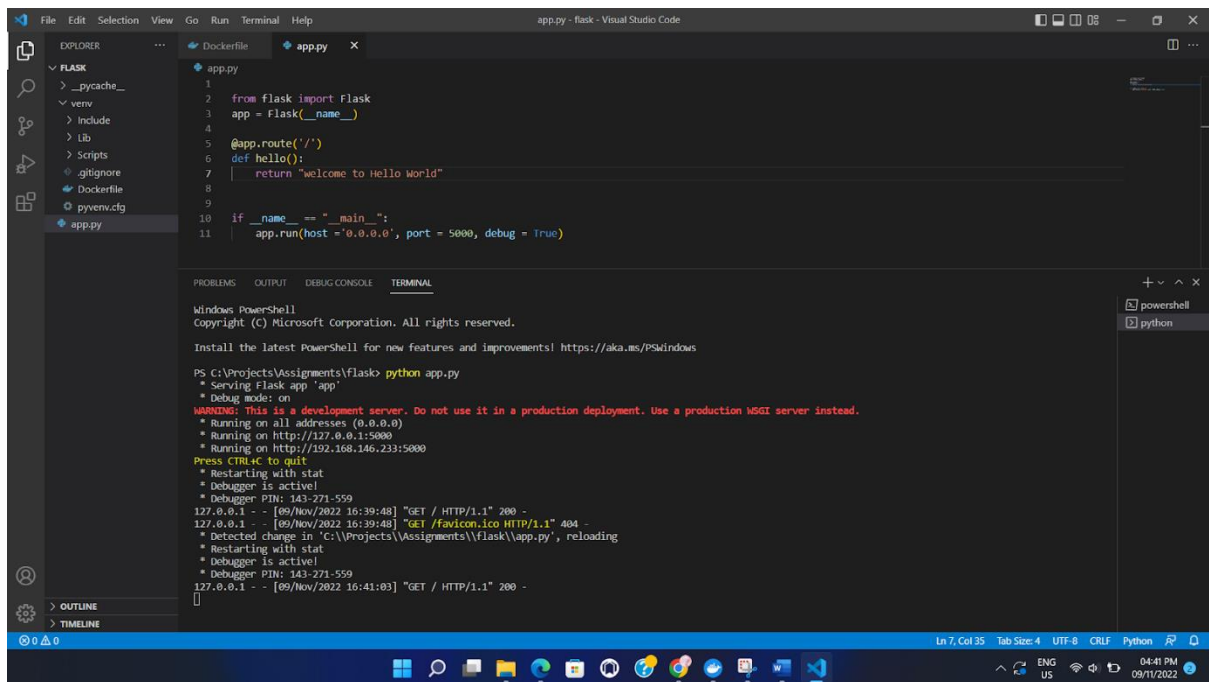
1 FROM python:2.7
2 LABEL maintainer="Kunal Malhotra, kunal.malhotra@ibm.com"
3 RUN apt-get update
4 RUN mkdir /app
5 WORKDIR /app
6 COPY . /app
7 RUN pip install -r requirements.txt
8 EXPOSE 5000
9 ENTRYPOINT [ "python" ]
10 CMD [ "app.py" ]

```

Below the editor, the terminal shows the help text for the `docker build` command, listing various options like `--runtime`, `--security-opt`, `--shm-size`, etc.



Test by running the code in localhost



The screenshot shows the Visual Studio Code interface with a Flask application running. The Explorer pane on the left shows the project structure with 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 from flask import Flask
2 app = Flask(__name__)
3
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 pane at the bottom shows the output of running `python app.py` in a Windows PowerShell environment. The output includes a warning about the development server, the server's IP and port (0.0.0.0:5000), and a list of active connections. The status bar at the bottom indicates the file is at line 7, column 35, and the editor is in UTF-8 encoding with CRLF line endings.

