Containerize The App

News Tracking Application

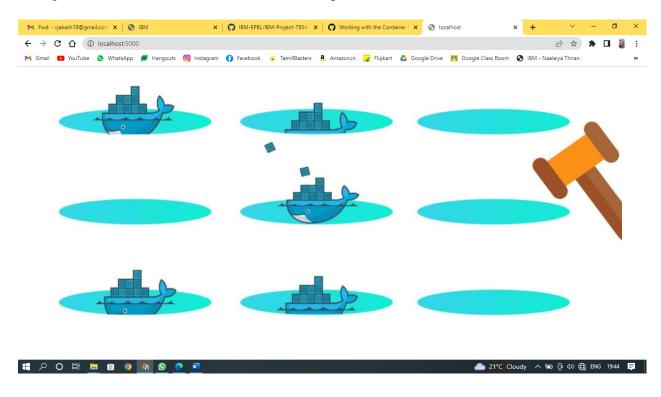
Step 1: Build an image from the Docker file:

Open the terminal and this command is used to build image from docker file:

docker build -t <image_name>:<tag>

```
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```

Step 2: Run container locally and test:



Step 3: Creating docker image for flask app

```
from flask

Import Flask app = 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)
```

Step 4:

Creating a docker image of the project:

```
Collecting Jinja2=2.10.1 (from flask->r requirements.txt (line 1))
Downloading https://files.pythonhosted.org/packages/65/e0/eb3se762802015cabiccee04e8a277b03f1d8e53da3ec3106892ec42558b/Jinja2-2.10.3-py2.py3-
none-any.whl (125ka)
Collecting tisdangerous=0.24 (from flask->r requirements.txt (line 1))
Downloading https://files.pythonhosted.org/packages/fo/ac/44b03b253d6fade317f32c24d100b3b35c2239807046a4c953c7b89fa94p/tisdangerous-1.1.0-py
2.py3-none-any.whl
Collecting (lick>=5.1 (from flask->-r requirements.txt (line 1))
Downloading https://files.pythonhosted.org/packages/fa/37/4518scb5abbc30d7257104c434fe0b07e5a195a6847506c074527aa599ec/Click-7.0-py2.py3-none-any.whl
Collecting (lick>=5.2 (from Jinja2>=2.10.1-5flask->-r requirements.txt (line 1))
Downloading https://files.pythonhosted.org/packages/b9/2e/6ddb92e53b86efccfaea71321f597fa2e1b2bd3853d8ce658568f7a13094/MarkupSafe-1.1.1.tar.
gz
Building wheels for collected packages: MarkupSafe
Building wheels for collected packages: MarkupSafe
Building wheel for MarkupSafe (setup.py): started
Building wheel for MarkupSafe
Building whee
```

Step 5:

Run the docker image

```
(base) rgunkar@rgunkar-Inspiron-3551:-/Desktop/flask_docker_demo$ sudo docker run --name flask-docker-demo -p 5001:5001 flask-docker-demo-app
* Serving Flask app "demo" (lazy loading)
* Environment: production
MARNING: This is a development server. Do not use it in a production deployment.
Use a production MSGI server instead.
* Debug node: on
* Running on http://p.0.0.0:55001/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger FIN: 133-709-128
```