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Day3 Lab

1. Task1:

Python Hello World

Use the official Python alpine image

Create a simple Python script that prints "Hello Docker!"

Make the script run when the container starts

Firstly, created python file:

```
GNU nano 5.6.1 task1.py
print("Hello Docker!")
```

Then, created the docker file:

```
GNU nano 5.6.1 Dockerfile
FROM python:alpine
WORKDIR /app
COPY task1.py .
CMD ["python","task1.py"]
```

Then, built the container:

```
[root@localhost Day3_Lab]# docker build -t task_11 .
[+] Building 0.8s (8/8) FINISHED
=> [internal] load build definition from Dockerfile 0.0s
=> => transferring dockerfile: 171B 0.0s
=> [internal] load metadata for docker.io/library/python:alpine 0.8s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [1/3] FROM docker.io/library/python:alpine@sha256:18159b2be11db91f84b8f8f655cd860f805dbd9e49a583ddaac8ab39bf4fela7 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 88B 0.0s
=> CACHED [2/3] WORKDIR /app 0.0s
=> CACHED [3/3] COPY task1.py . 0.0s
=> exporting to image 0.0s
=> => exporting layers 0.0s
=> writing image sha256:45a96e6c6371764a39a70ba4167a32c6e1780bc9fde37eb6745ca3b8bfd2cd1b 0.0s
=> => naming to docker.io/library/task_11 0.0s
```

Now, let's run the container:

```
[root@localhost Day3_Lab]# docker run -it task_11  
Hello Docker!
```
