```
ubuntu@ubuntu:~/Desktop$ ls
 guvi-tasks   my-to-do-cicd   pythonapp   'task 7(creating and executing dockerfile)'
ubuntu@ubuntu:~/Desktop$ cd task\ 7\(creating\ and\ executing\ dockerfile\)/
ubuntu@ubuntu:~/Desktop/task 7(creating and executing dockerfile)$ ls
ubuntu@ubuntu:~/Desktop/task 7(creating and executing dockerfile)$ nano app.py
ubuntu@ubuntu:~/Desktop/task 7(creating and executing dockerfile)$ nano requirement.txt
ubuntu@ubuntu:~/Desktop/task 7(creating and executing dockerfile)$ ls
app.py  requirement.txt
ubuntu@ubuntu:~/Desktop/task 7(creating and executing dockerfile)$ nano Dockerfile
ubuntu@ubuntu:~/Desktop/task 7(creating and executing dockerfile)$ docker build -t task7 .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
            Install the buildx component to build images with BuildKit:
            https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  4.096kB
Step 1/6 : FROM python:3.8-alpine
 ---> afb844bcda63
Step 2/6 : WORKDIR /test
 ---> Using cache
 ---> 9fc8fe30d629
Step 3/6 : COPY . .
 ---> 7c07f8a0504c
Step 4/6 : RUN pip3 install -r requirement.txt
 ---> Running in 38c9d5d55a9c
Collecting FLASK
  Downloading flask-3.0.2-py3-none-any.whl (101 kB)
                                    101.3/101.3 kB 2.2 MB/s eta 0:00:00
Collecting Werkzeug>=3.0.0
  Downloading werkzeug-3.0.2-py3-none-any.whl (226 kB)
                                    226.8/226.8 kB 10.7 MB/s eta 0:00:00
Collecting itsdangerous>=2.1.2
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting click>=8.1.3
  Downloading click-8.1.7-py3-none-any.whl (97 kB)
                                    97.9/97.9 kB 8.8 MB/s eta 0:00:00
Collecting importlib-metadata>=3.6.0
  Downloading importlib_metadata-7.1.0-py3-none-any.whl (24 kB)
Collecting blinker>=1.6.2
  Downloading blinker-1.7.0-py3-none-any.whl (13 kB)
Collecting Jinja2>=3.1.2
  Downloading Jinja2-3.1.3-py3-none-any.whl (133 kB)
                                    133.2/133.2 kB 18.8 MB/s eta 0:00:00
Collecting zipp>=0.5
  Downloading zipp-3.18.1-py3-none-any.whl (8.2 kB)
Collecting MarkupSafe>=2.0
  Downloading MarkupSafe-2.1.5-cp38-cp38-musllinux_1_1_x86_64.whl (29 kB)
Installing collected packages: zipp, MarkupSafe, itsdangerous, click, blinker, Werkzeug, Jinja2, importlib-metadata, FLASK
Successfully installed FLASK-3.0.2 Jinja2-3.1.3 MarkupSafe-2.1.5 Werkzeug-3.0.2 blinker-1.7.0 click-8.1.7 importlib-metadata-7.1
```
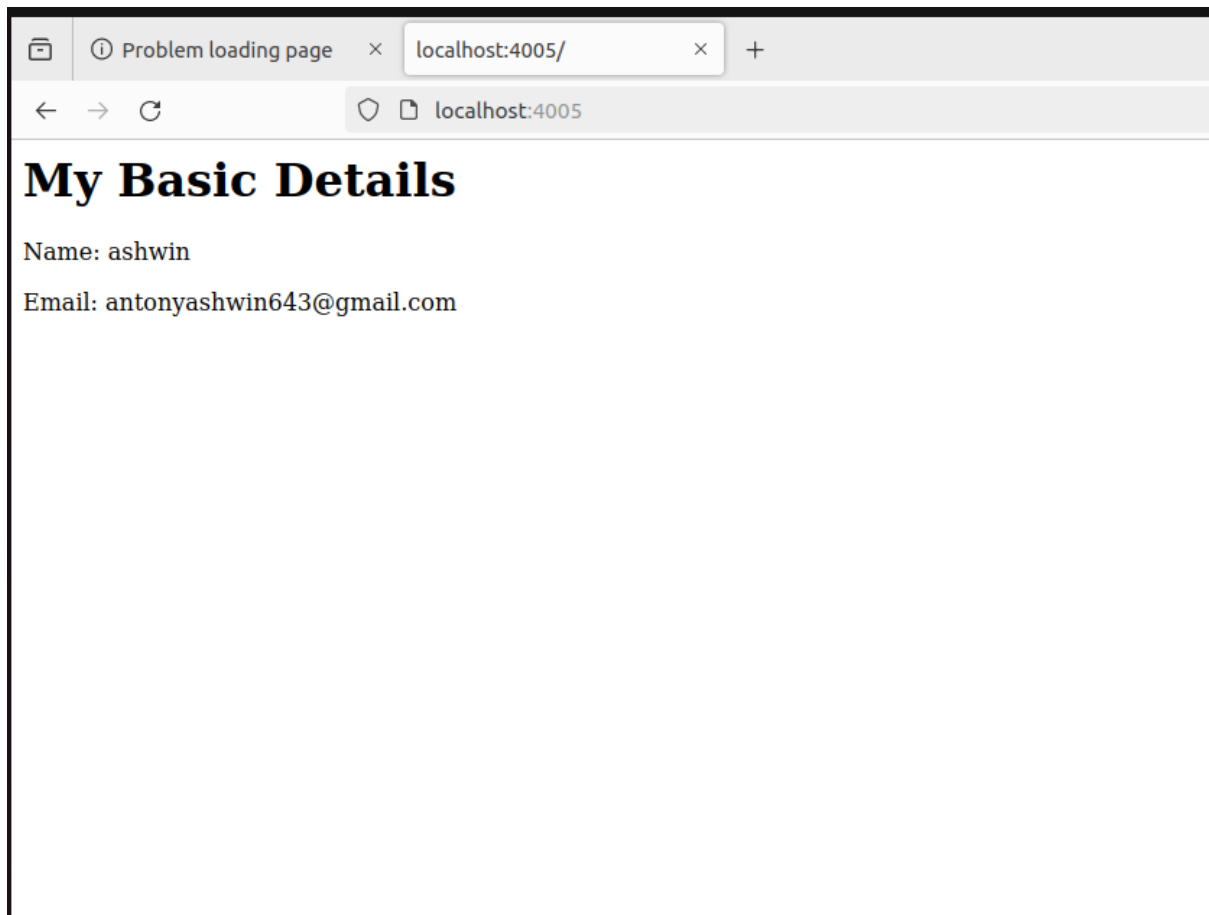
Terminal 1

```
ubuntu@ubuntu:~/Desktop/task 7(creating and executing dockerfile)$ docker run --name task7.1 -d -p 4005:5000 task7
4084b9e5fc50a8cd1d0c2762dcd6fc0f3aa9f41f4d0b08bd6dae7a70378eedda
ubuntu@ubuntu:~/Desktop/task 7(creating and executing dockerfile)$ docker ps
CONTAINER ID   IMAGE     COMMAND          CREATED          STATUS         PORTS                                       NAMES
4084b9e5fc50   task7     "python app.py"  10 seconds ago   Up 8 seconds   0.0.0.0:4005->5000/tcp, :::4005->5000/tcp   task7.1
```

Terminal 2

Output 3