

## Desafio 1:

Conteúdo contido no Dockerfile:

FROM python:3.9

WORKDIR /app

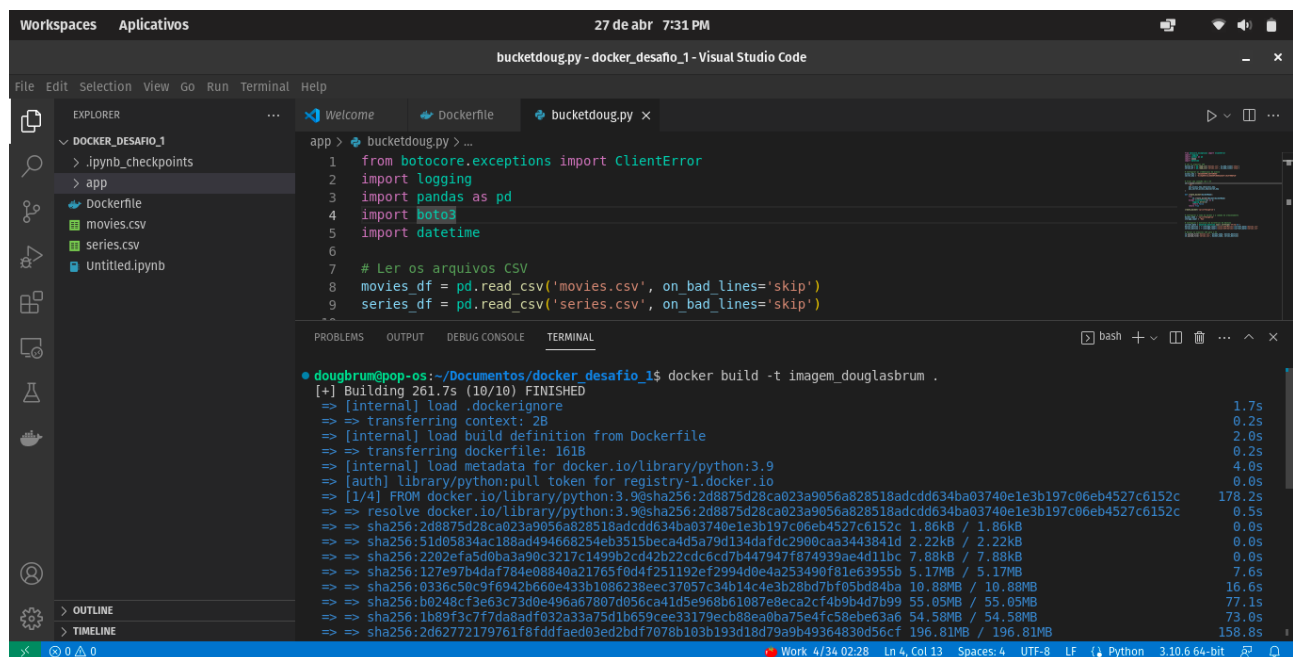
COPY . .

RUN pip install pandas boto3

EXPOSE 80

CMD ["python", "app/bucketdoug.py"]

Criação da imagem:



```
Workspaces  Aplicativos  27 de abr 7:31 PM
bucketdoug.py - docker_desafio_1 - Visual Studio Code

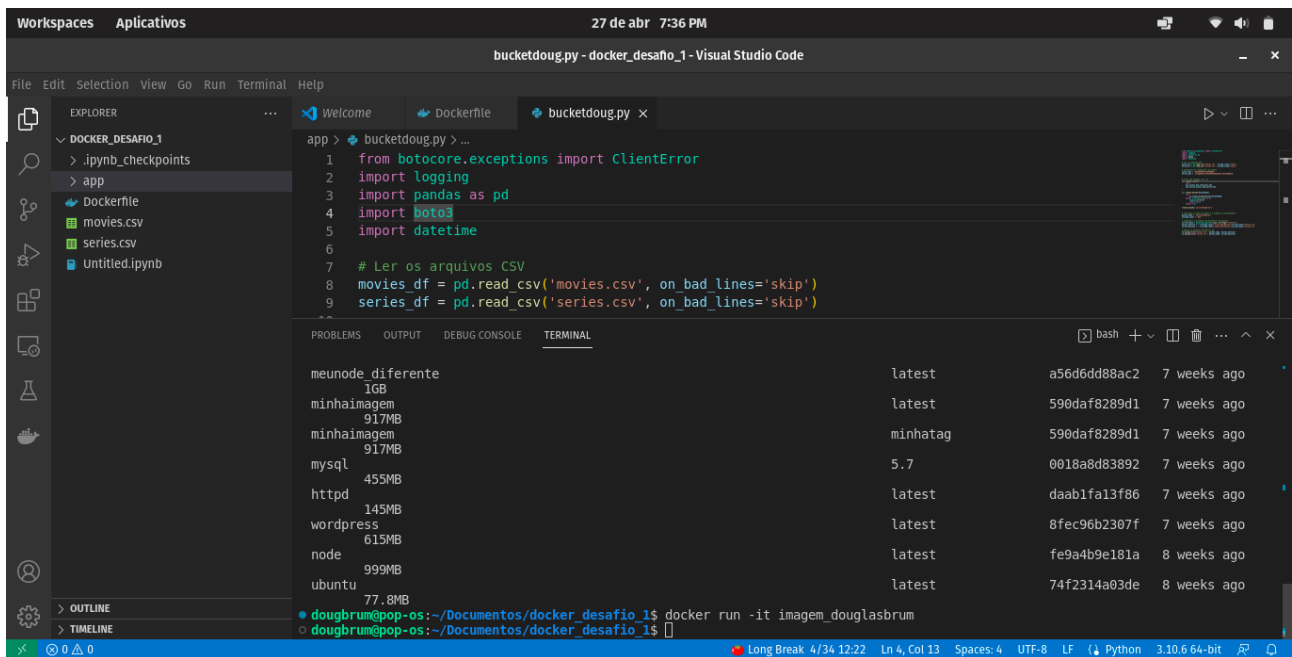
File Edit Selection View Go Run Terminal Help

EXPLORER
  DOCKER_DESAFIO_1
    .ipynb_checkpoints
    app
    Dockerfile
    movies.csv
    series.csv
    Untitled.ipynb

bucketdoug.py x
1 from botocore.exceptions import ClientError
2 import logging
3 import pandas as pd
4 import boto3
5 import datetime
6
7 # Ler os arquivos CSV
8 movies_df = pd.read_csv('movies.csv', on_bad_lines='skip')
9 series_df = pd.read_csv('series.csv', on_bad_lines='skip')

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
bash
doughbrum@pop-os: ~/Documentos/docker_desafio_1$ docker build -t imagem_douglasbrum .
[+] Building 261.7s (10/10) FINISHED
=> [internal] load .dockerignore 1.7s
=> => transferring context: 2B 0.2s
=> [internal] load build definition from Dockerfile 2.0s
=> => transferring dockerfile: 161B 0.2s
=> [internal] load metadata for docker.io/library/python:3.9 4.0s
=> [auth] library/python:pull token for registry-1.docker.io 0.0s
=> [1/4] FROM docker.io/library/python:3.9@sha256:2d8875d28ca023a9056a828518adcd634ba03740e1e3b197c06eb4527c6152c 178.2s
=> => resolve docker.io/library/python:3.9@sha256:2d8875d28ca023a9056a828518adcd634ba03740e1e3b197c06eb4527c6152c 0.5s
=> => sha256:2d8875d28ca023a9056a828518adcd634ba03740e1e3b197c06eb4527c6152c 1.86kB / 1.86kB 0.0s
=> => sha256:51d05834ac188ad494668254eb3515beca4d5a79d134dafdc2900caa3443841d 2.22kB / 2.22kB 0.0s
=> => sha256:2202efa5d0ba3a90c3217c1499b2cd42b22cdc6cd7b447947f874939ae4d11bc 7.88kB / 7.88kB 0.0s
=> => sha256:127e97b4daf784e08840a21765f0d4f251192ef2994d0e4a253490f81e63955b 5.17MB / 5.17MB 7.6s
=> => sha256:0336c50c9f6942b660e433b1086238eec37057c34b14c4e3b28bd7bf05bd84ba 10.88MB / 10.88MB 16.6s
=> => sha256:b0248cf3e63c73d9e496a67807d056ca41d5e968b61087e8eca2cf4b9b4d7b99 55.05MB / 55.05MB 77.1s
=> => sha256:1b89f3c7f7da8adf032a33a75d1b659cee33179ecb88ea0ba75e4fc58ebe63a6 54.58MB / 54.58MB 73.0s
=> => sha256:2d62772179761f8fddfaed03ed2bdf7078b103b193d18d79a9b49364830d56cf 196.81MB / 196.81MB 158.8s
```

Rodando a imagem:



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project named 'DOCKER\_DESAFIO\_1' with files like 'movies.csv', 'series.csv', and 'Untitled1.ipynb'. The main editor shows a Python script 'bucketdoug.py' with the following code:

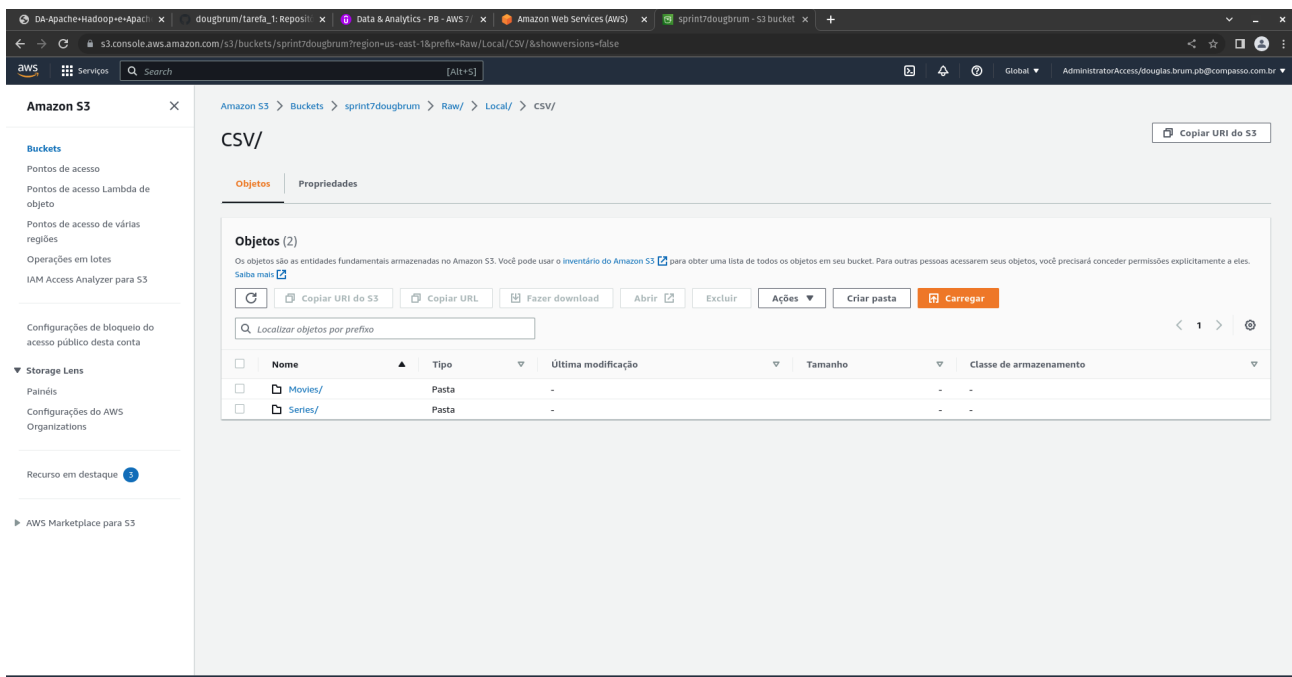
```
1 from botocore.exceptions import ClientError
2 import logging
3 import pandas as pd
4 import boto3
5 import datetime
6
7 # Ler os arquivos CSV
8 movies_df = pd.read_csv('movies.csv', on_bad_lines='skip')
9 series_df = pd.read_csv('series.csv', on_bad_lines='skip')
```

The TERMINAL panel at the bottom shows the output of a Docker run command:

```
meunode_diferente latest a56d6dd88ac2 7 weeks ago
1GB
minhaimagem latest 590daf8289d1 7 weeks ago
917MB
minhaimagem minhatag 590daf8289d1 7 weeks ago
917MB
mysql 5.7 0018a8d83892 7 weeks ago
455MB
httpd latest daab1fa13f86 7 weeks ago
145MB
wordpress latest 8fec96b2307f 7 weeks ago
615MB
node latest fe9a4b9e181a 8 weeks ago
999MB
ubuntu latest 74f2314a03de 8 weeks ago
77.8MB
```

The command executed was: `docker run -it imagem_douglasbrum`

Após essa etapa podemos checar que os arquivos foram devidamente enviados para o bucket no AWS S3:



O arquivo .py executado se encontra aqui no GitHub em separado.