Name: Abdelrahman Jayasundara Malavi

ID: 2206147

## Code output:

```
| Image: Property of the Common Commo
```

## **Most Selling Harry Potter Books:**

- 1 Harry Potter and the Sorcerer's Stone (Harry Potter, #1)
- 2 Harry Potter and the Prisoner of Azkaban (Harry Potter, #3)
- 3 Harry Potter and the Chamber of Secrets (Harry Potter, #2)
- 4 Harry Potter and the Goblet of Fire (Harry Potter, #4)
- 5 Harry Potter and the Deathly Hallows (Harry Potter, #7)
- 6 Harry Potter and the Order of the Phoenix (Harry Potter, #5)
- 7 Harry Potter and the Half-Blood Prince (Harry Potter, #6)
- 8 Harry Potter Boxset (Harry Potter, #1-7)
- 9 Harry Potter Collection (Harry Potter, #1-6)
- 10 The Magical Worlds of Harry Potter: A Treasury of Myths, Legends, and Fascinating Facts

Average rating of Harry Potter books: 4.4910000000000005

Name: Abdelrahman Jayasundara Malavi

ID: 2206147

## Docker build:

```
(base) PS D:\Codes\Cloud-Ass> docker build -t data_clean_jupyter .

[+] Building 2.3s (9/9) FINISHED

=> [internal] load build definition from Dockerfile

=> => transferring dockerfile: 226B

=> [internal] load metadata for docker.io/jupyter/datascience-notebook:latest

=> [internal] load .dockerignore

=> => transferring context: 2B
                                                                                                                                                                                                                                docker:default
                                                                                                                                                                                                                                                     0.0s
0.0s
  => => transferring context: 2B
=> [1/4] FROM docker.io/jupyter/datascience-notebook:latest
=> [internal] load build context
                                                                                                                                                                                                                                                      0.0s
                                                                                                                                                                                                                                                      0.0s
  => [internal] load build context
=> => transferring context: 773B
=> CACHED [2/4] WORKDIR /app
=> [3/4] COPY . /app
=> [4/4] RUN pip install -r req.txt
=> exporting to image
=> => exporting layers
=> => miting image sha256.7898c2d56
                                                                                                                                                                                                                                                      0.0s
                                                                                                                                                                                                                                                      2.2s
                                                                                                                                                                                                                                                      0.0s
  => => writing image sha256:7098c2d5694f0a37749a7df61eb2e2f1ec2516cb1cede7e8928746ecb02b91c2
=> => naming to docker.io/library/data_clean_jupyter
                                                                                                                                                                                                                                                      0.0s
                                                                                                                                                                                                                                                      0.05
View build details: docker-desktop://dashboard/build/default/default/xmv0rh45rn4ck2y6jo7hcy0yb
What's Next?
   View a summary of image vulnerabilities and recommendations → docker scout quickview
```

## Docker run:

```
(base) PS D:\Codes\Cloud-Ass> docker run -p 8888:8888 data_clean_jupyter
[I 2024-04-24 15:13:01.081 ServerApp] Package notebook took 0.0000s to import
[I 2024-04-24 15:13:01.099 ServerApp] Package jupyter_lsp took 0.0180s to import
[W 2024-04-24 15:13:01.099 ServerApp] Package jupyter_lsp took 0.0180s to import
[W 2024-04-24 15:13:01.099 ServerApp] A `_jupyter_server_extension_points` function was not found in jupyter_lsp. Instead, a `_jupyter_server_extension_points` function was not found in jupyter_lsp. Instead, a `_jupyter_server_extension_paths` function was found and will be used for now. This function name will be deprecated in future releases of Jupyter Server.
[I 2024-04-24 15:13:01.101 ServerApp] Package jupyter_server_mathjax took 0.0012s to import
[I 2024-04-24 15:13:01.165 ServerApp] Package jupyter_server_terminals took 0.0637s to import
[I 2024-04-24 15:13:01.171 ServerApp] Package jupyter_server_terminals took 0.0063s to import
[I 2024-04-24 15:13:01.81 ServerApp] Package jupyterlab took 0.0000s to import
[I 2024-04-24 15:13:01.684 ServerApp] Package jupyterlab_git took 0.0334s to import
[I 2024-04-24 15:13:01.685 ServerApp] Package nbclassic took 0.0030s to import
[I 2024-04-24 15:13:01.687 ServerApp] A `_jupyter_server_extension_points` function was not found in nbclassic. Instead, a `_jupyter_server_extension_paths` function was found and will be used for now. This function name will be deprecated in future releases of Jupyter Server.
    a '_jupyter_server_extension_paths' function was found and will be used for in future releases of Jupyter Server.
[I 2024-04-24 15:13:01.688 ServerApp] Package nbdime took 0.0000s to import
```