Name : Mohamed Ahmed Hassan Mohamed

ID : 2106142

Dep : Cyber Security

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jupyter abo.csv Last Checkpoint: 26 days ago

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	book_id	goodreads_book_id	best_book_id	work_id	books_count	isbn	isbn13	au
1	1	2767052	2767052	2792775	272	439023483	9780439023480.0	Suzanne C
2	2	3	3	4640799	491	439554934	9780439554930.0	Rowling, Mary Gran
3	3	41865	41865	3212258	226	316015849	9780316015840.0	Stephenie M
4	6	11870085	11870085	16827462	226	525478817	9780525478810.0	John G
5	12	13335037	13335037	13155899	210	62024035	978006202404.0	Veronica
6	17	6148028	6148028	6171458	201	439023491	9780439023500.0	Suzanne C
7	18	5	5	2402163	376	043965548X	9780439655480.0	ry GrandPré, Rufus
8	20	7260188	7260188	8812783	239	439023513	9780439023510.0	Suzanne C
9	21	2	2	2809203	307	439358078	9780439358070.0	Rowling, Mary Gran
10	23	15881	15881	6231171	398	439064864	9780439064870.0	Rowling, Mary Gran
11	24	6	6	3046572	332	439139600	9780439139600	Rowling, Mary Gran
12	25	136251	136251	2963218	263	545010225	9780545010220.0	Rowling, Mary Gran
13	27	1	1	41335427	275	439785960	9780439785970.0	Rowling, Mary Gran
14	37	100915	100915	4790821	474	60764899	9780060764890.0	C.S. L
15	41	28187	28187	3346751	159	786838655	9780786838650.0	Rick Ric
16	47	19063	19063	878368	251	375831002	9780375831000.0	Markus Z
17	49	49041	49041	3203964	194	316160199	9780316160190.0	Stephenie M
18	51	256683	256683	2267189	178	1416914285	9781416914280.0	Cassandra
19	52	428263	428263	2675454	185	316160202	9780316160210.0	Stephenie M
20	53	113436	113436	3178011	217	375826696	9780375826700.0	Christopher P
21	62	119322	119322	1536771	287	679879242	9780679879240.0	Philip Pul
22	68	22628	22628	2236198	128	671027344	9780671027350.0	Stephen Chb
23	69	11735983	11735983	15524542	164	7442912	9780007442910.0	Veronica
24	70	375802	375802	2422333	224	812550706	9780812550700.0	Orson Scott
25	73	1656001	1656001	3328799	161	316068047	9780316068050.0	Stephenie M
26	74	99561	99561	919292	187	142402516	9780142402510.0	John G
27	77	38709	38709	1679789	138	439244196	9780439244190.0	uis Sachar, Louis Sa
28	88	6442769	6442769	3364505	178	014241493X	9780142414930.0	John G
29	90	231804	231804	1426690	156	014038572X	9780140385720.0	S.E. H
30	91	6186357	6186357	6366642	147	385737947	9780385737940.0	James Dar
31	105	18710190	18710190	15524549	153	7524277	9780007524270.0	Veronica
32	117	18131	18131	948387	165	440498058	9780440498060.0	Madeleine L'E

Docker Notebook Analys ×   ◯ Home   ×   Dockerfile   ×   abo.csv   ×   +

127.0.0.1:8888/edit/work/Dockerfile

jupyter Dockerfile Last Checkpoint: 3 hours ago

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```
# Use the official Jupyter Docker image as the base
FROM jupyter/base-notebook

# Copy your Jupyter Notebook into the container
COPY notebook.ipynb /home/jovyan/

# Expose port 8888 to access Jupyter Notebook
EXPOSE 8888

# Launch Jupyter Notebook when the container starts
CMD ["jupyter", "notebook", "--ip='0.0.0.0'", "--port=8888", "--no-browser", "--allow-root"]
```

jupyter **notebook** Last Checkpoint: 3 hours ago

Trusted

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Code ▾   Open in... ⚙ Python 3 (ipykernel) ○

```
      Created wheel for panda: filename=panda-0.3.1-py3-none-any.whl size=7239 sha256=0e3c3bc974d8ce08eb344cfbaadbee3752db9e16158142f7c237188c5
  3321240
      Stored in directory: /home/jovyan/.cache/pip/wheels/df/5c/39/36f8dae25a1e88d6ec4411dec4a143781e64fdff6897758eec
  Successfully built panda
  Installing collected packages: panda
  Successfully installed panda-0.3.1
  Note: you may need to restart the kernel to use updated packages.
```

```python
[5]: import pandas as pd

     # Load the dataset
     df = pd.read_csv('books.csv')

     # Filter the Harry Potter books
     harry_potter_books = df[df['title'].str.contains('Harry Potter')]

     # Find the most selling books within the Harry Potter series
     top_selling_hp_books = harry_potter_books.sort_values(by='ratings_count', ascending=False).head()

     # Calculate the average rating of the Harry Potter books
     average_rating_hp = harry_potter_books['average_rating'].mean()

     # Display results
     print("Most Selling Harry Potter Books:")
     print(top_selling_hp_books[['title', 'ratings_count']])
     print("\nAverage Rating of Harry Potter Books:", average_rating_hp)
```

```
Most Selling Harry Potter Books:
                                        title  ratings_count
1   Harry Potter and the Sorcerer's Stone (Harry P...      4602479
6   Harry Potter and the Prisoner of Azkaban (Harr...      1832823
9   Harry Potter and the Chamber of Secrets (Harry...      1779331
10  Harry Potter and the Goblet of Fire (Harry Pot...      1753043
11  Harry Potter and the Deathly Hallows (Harry Po...      1746574

Average Rating of Harry Potter Books: 4.482727272727273
```

```
[ ]:
```

jupyter

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☐ ▾	Name	Last Modified	File Size
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☐ • 🖼	1.png	58 minutes ago	232.3 KB
☐ • 🖼	2.png	38 minutes ago	632 KB
☐ • 🖼	3.png	5 minutes ago	213.6 KB
☐ • 🖼	4.png	5 minutes ago	81.4 KB
☐ • 🖼	5.png	1 minute ago	178.3 KB
☐ • 📄	Assignment 2.pdf	4 days ago	58.6 KB
☐ • 📄	books.csv	26 days ago	422.5 KB
☐ • 📄	Dockerfile	3 hours ago	367 B

jupyter

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Name	Last Modified	File Size
notebook.ipynb	58 seconds ago	3.9 KB
1.png	58 minutes ago	232.3 KB
2.png	39 minutes ago	632 KB
3.png	6 minutes ago	213.6 KB
4.png	6 minutes ago	81.4 KB
5.png	2 minutes ago	178.3 KB
6.png	30 seconds ago	78.4 KB
Assignment 2.pdf	4 days ago	58.6 KB
books.csv	26 days ago	422.5 KB
Dockerfile	3 hours ago	367 B

Server stopped

You have shut down the Jupyter server. You can now close this tab.

To use JupyterLab again, you will need to relaunch it.

```
0.00s - make the debugger miss breakpoints. Please pass -Xfrozen_modules=off
0.00s - to python to disable frozen modules.
0.00s - Note: Debugging will proceed. Set PYDEVD_DISABLE_FILE_VALIDATION=1 to disable this validation.
[I 2024-04-24 03:25:40.647 ServerApp] Writing notebook-signing key to /home/jovyan/.local/share/jupyter/notebook_secret
[W 2024-04-24 03:25:40.647 ServerApp] Notebook notebook.ipynb is not trusted
[W 2024-04-24 03:25:42.311 ServerApp] Notebook notebook.ipynb is not trusted
[I 2024-04-24 03:25:42.485 ServerApp] Kernel started: 8386ae68-d47b-44b2-9a0f-f444c62703b7
0.00s - Debugger warning: It seems that frozen modules are being used, which may
0.00s - make the debugger miss breakpoints. Please pass -Xfrozen_modules=off
0.00s - to python to disable frozen modules.
0.00s - Note: Debugging will proceed. Set PYDEVD_DISABLE_FILE_VALIDATION=1 to disable this validation.
[I 2024-04-24 03:25:45.440 ServerApp] Connecting to kernel 8386ae68-d47b-44b2-9a0f-f444c62703b7.
[W 2024-04-24 03:26:27.568 ServerApp] Notebook work/notebook.ipynb is not trusted
[W 2024-04-24 03:26:29.061 ServerApp] Notebook work/notebook.ipynb is not trusted
[I 2024-04-24 03:26:29.242 ServerApp] Kernel started: 20d1ff3a-4351-402f-8ce8-623a4a8ed469
0.00s - Debugger warning: It seems that frozen modules are being used, which may
0.00s - make the debugger miss breakpoints. Please pass -Xfrozen_modules=off
0.00s - to python to disable frozen modules.
0.00s - Note: Debugging will proceed. Set PYDEVD_DISABLE_FILE_VALIDATION=1 to disable this validation.
[I 2024-04-24 03:26:29.836 ServerApp] Connecting to kernel 20d1ff3a-4351-402f-8ce8-623a4a8ed469.
[I 2024-04-24 03:28:29.741 ServerApp] Saving file at /work/notebook.ipynb
[I 2024-04-24 03:28:42.558 ServerApp] Starting buffering for 20d1ff3a-4351-402f-8ce8-623a4a8ed469:8132c470-6a65-433e-9ed9-5763f76e9b71
[I 2024-04-24 04:04:15.342 ServerApp] Starting buffering for 8386ae68-d47b-44b2-9a0f-f444c62703b7:851c78a1-0fca-4b5b-828e-384b70e83981
[W 2024-04-24 04:04:21.602 ServerApp] Notebook work/notebook.ipynb is not trusted
[W 2024-04-24 04:04:23.126 ServerApp] Notebook work/notebook.ipynb is not trusted
[I 2024-04-24 04:04:23.294 ServerApp] Connecting to kernel 20d1ff3a-4351-402f-8ce8-623a4a8ed469.
[I 2024-04-24 04:04:36.022 ServerApp] Starting buffering for 20d1ff3a-4351-402f-8ce8-623a4a8ed469:42a9ca30-9670-4d1f-8c17-a35650f95d37
[W 2024-04-24 04:05:38.796 ServerApp] Notebook work/notebook.ipynb is not trusted
[W 2024-04-24 04:05:40.324 ServerApp] Notebook work/notebook.ipynb is not trusted
[I 2024-04-24 04:05:40.504 ServerApp] Connecting to kernel 20d1ff3a-4351-402f-8ce8-623a4a8ed469.
[I 2024-04-24 04:07:40.740 ServerApp] Saving file at /work/notebook.ipynb
[I 2024-04-24 04:08:32.415 ServerApp] Connecting to kernel 20d1ff3a-4351-402f-8ce8-623a4a8ed469.
[I 2024-04-24 04:10:32.740 ServerApp] Saving file at /work/notebook.ipynb
[I 2024-04-24 04:10:44.016 ServerApp] Saving file at /work/notebook.ipynb
[I 2024-04-24 04:11:17.663 ServerApp] Starting buffering for 20d1ff3a-4351-402f-8ce8-623a4a8ed469:f331a201-4449-44b6-b49d-cf503e43a4a7
[I 2024-04-24 04:11:42.148 ServerApp] Kernel shutdown: 8386ae68-d47b-44b2-9a0f-f444c62703b7
[I 2024-04-24 04:11:42.150 ServerApp] Kernel shutdown: 20d1ff3a-4351-402f-8ce8-623a4a8ed469
[I 2024-04-24 04:11:43.078 ServerApp] Shutting down on /api/shutdown request.
[I 2024-04-24 04:11:43.078 ServerApp] Shutting down 6 extensions
```

Read the migration plan to Notebook 7 to learn about the new features and the actions to take if you are using extensions.

https://jupyter-notebook.readthedocs.io/en/latest/migrate_to_notebook7.html

Please note that updating to Notebook 7 might break some of your extensions.

```
┌──(mohamed㉿kali)-[~/Desktop/assigment jupter]
└─$
```

```
┌──(mohamed@kali)-[~]
└─$ docker ps
CONTAINER ID    IMAGE      COMMAND    CREATED    STATUS    PORTS    NAMES

┌──(mohamed@kali)-[~]
└─$
```