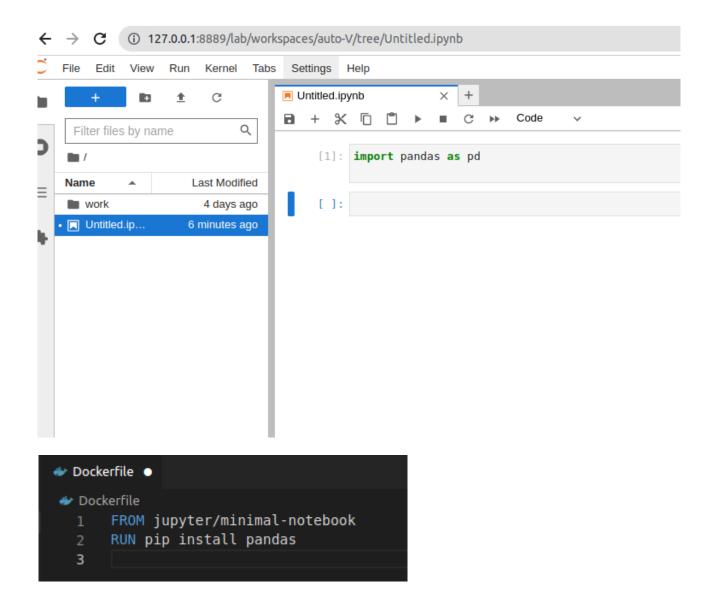
## **Unit 1.4: Graded Assignment: Practical Task**

## **Group Members:**

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## **Assignment:**

- Build an image based on Jupyter Notebook (jupyter/minimal-notebook) with Pandas installed (pip install pandas)
- Create a container from this image and use the NOTEBOOK\_ARGS=--port=8889 environment variable to change the port Jupyter is exposed on
- Verify you can access it on port 8889 and that Pandas is installed (type import pandas in a notebook).



```
cmmaimasiddiquigall-MS-7035:-/directory_jupyter's docker run -p 8889:8888 -e "NOTEBOOK_ARGS=--port=8888" jupyter_image
Entered start.sh with args: jupyter lab --port=8888
Executing the command: jupyter lab --port=8888
[I 2023-04-07 08:59:33.225 ServerApp] Package jupyter server_fileid took 0.0000s to import
[I 2023-04-07 08:59:33.225 ServerApp] Package jupyter_server_fleid took 0.0018s to import
[I 2023-04-07 08:59:33.235 ServerApp] Package jupyter_server_terminals took 0.0037s to import
[I 2023-04-07 08:59:33.258 ServerApp] Package jupyter_server_valoc took 0.0260s to import
[I 2023-04-07 08:59:33.258 ServerApp] Package jupyter_server_valoc took 0.0260s to import
[I 2023-04-07 08:59:33.258 ServerApp] Package inclassic took 0.0000s to import
[I 2023-04-07 08:59:33.260 ServerApp] A _jupyter_server_valoc took 0.0000s to import
[I 2023-04-07 08:59:33.261 ServerApp] Package notebook_shim took 0.0000s to import
[I 2023-04-07 08:59:33.261 ServerApp] Package notebook_shim took 0.0000s to import
[I 2023-04-07 08:59:33.265 ServerApp] jupyter_server_extension points' function was not found in notebook_shim. Ins will be used for now. This function name will be deprecated in future releases of Jupyter Server.
[I 2023-04-07 08:59:33.265 ServerApp] jupyter_server_ferminals | extension was successfully linked.
[I 2023-04-07 08:59:33.275 ServerApp] jupyter_server_ferminals | extension was successfully linked.
[I 2023-04-07 08:59:33.293 NotebookApp] ip' has moved from NotebookApp to ServerApp. This config will be passed to Ser
[W 2023-04-07 08:59:33.293 NotebookApp] ip' has moved from NotebookApp to ServerApp. This config will be passed to Ser
[I 2023-04-07 08:59:33.293 ServerApp] indeclassic | extension was successfully linked.
[I 2023-04-07 08:59:33.295 ServerApp] indeclassic | extension was successfully linked.
[I 2023-04-07 08:59:33.295 ServerApp] indeclassic | extension was successfully loaded.
[I 2023-04-07 08:59:33.75 FileIdExtension | ArbitraryFileIdManager : Configured database path: /home/jovyan/.local/share/jupy
```

umaimasiddiqui@all-MS-7D35:~/directory\_jupyter\$ docker build -t jupyter\_image .
 [+] Building 0.7s (6/6) FINISHED