

```
theia@theia-rajendraabro:/home/project$ w
get
https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMSkillsNetwork-PY0221E
N-Coursera/labs/v2/INSTRUCTOR.csv
--2025-12-25 01:28:33--
https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBMSkillsNetwork-PY0221E
N-Coursera/labs/v2/INSTRUCTOR.csv
Resolving cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud
(cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud)... 169.63.118.104,
169.63.118.104
Connecting to cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud
(cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud)|169.63.118.104|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 387 [text/csv]
Saving to: 'INSTRUCTOR.csv'

INSTRUCTOR.c 0%   0 --.-KB/s    INSTRUCTOR.c 100%   387 --.-KB/s  in 0s

2025-12-25 01:28:33 (237 MB/s) - 'INSTRUCTOR.csv' saved [387/387]
```

```
theia@theia-rajendraa
bro:/home/home/project$ python3.11 -m pip install pandas
Defaulting to user installation because normal site-packages is not writeable
Collecting pandas
  Downloading
pandas-2.3.3-cp311-cp311-manylinux_2_24_x86_64.manylinux_2_28_x86_64.whl.metadata
(91 kB)
Collecting numpy>=1.23.2 (from pandas)
  Downloading
numpy-2.4.0-cp311-cp311-manylinux_2_27_x86_64.manylinux_2_28_x86_64.whl.metadata
(6.6 kB)
Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages
(from pandas) (2.9.0.post0)
Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from
pandas) (2025.2)
Requirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from
pandas) (2025.2)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from
python-dateutil>=2.8.2->pandas) (1.17.0)
Downloading pandas-2.3.3-cp311-cp311-manylinux_2_24_x86_64.manylinux_2_28_x86_64.whl
(12.8 MB)
————— 12... 173... 0:0...
MB MB/s
```

Downloading numpy-2.4.0-cp311-cp311-manylinux_2_27_x86_64.manylinux_2_28_x86_64.whl
(16.6 MB)

----- 16... 197... 0:0...

MB MB/s

Installing collected packages: numpy, pandas

Successfully installed numpy-2.4.0 pandas-2.3.3

In

```
import sqlite3
import pandas as pd
conn = sqlite3.connect('STAFF.db')
table_name = 'INSTRUCTOR'
attribute_list = ['ID', 'FNAME', 'LNAME', 'CITY', 'CCODE']
file_path = '/home/project/INSTRUCTOR.csv'
df = pd.read_csv(file_path, names = attribute_list)
df.to_sql(table_name, conn, if_exists = 'replace', index =False)
print('Table is ready')
query_statement = f"SELECT * FROM {table_name}"
query_output = pd.read_sql(query_statement, conn)
print(query_statement)
print(query_output)
query_statement = f"SELECT FNAME FROM {table_name}"
query_output = pd.read_sql(query_statement, conn)
print(query_statement)
print(query_output)
query_statement = f"SELECT COUNT(*) FROM {table_name}"
query_output = pd.read_sql(query_statement, conn)
print(query_statement)
print(query_output)
data_dict = {'ID' : [100],
             'FNAME' : ['John'],
             'LNAME' : ['Doe'],
             'CITY' : ['Paris'],
             'CCODE' : ['FR']}
data_append = pd.DataFrame(data_dict)
conn.close()
```