import pandas as pd

# Setting TimeZone

start\_date\_new = '2025-01-01'

end\_date\_new = '2025-01-05'

date\_index\_new = pd.date\_range(start=start\_date\_new, end=end\_date\_new, freq='D', tz='UTC')

print(date\_index\_new)

# Localizing TimeZone

date\_index\_new = pd.date\_range(start=start\_date\_new, end=end\_date\_new, freq='D')

date\_index\_new = date\_index\_new.tz\_localize('America/New\_York')

print(date\_index\_new)

# Converting TimeZone

date\_index\_new = date\_index\_new.tz\_convert('Europe/London')

print(date\_index\_new)

# Combining two different TimeZones

start\_date\_utc = '2025-01-01'

date\_index1\_new = pd.date\_range(start=start\_date\_utc, periods=3, freq='D', tz='UTC')

date\_index2\_new = pd.date\_range(start=start\_date\_new, periods=3, freq='D', tz='America/New\_York')

combined\_index\_new = date\_index1\_new.union(date\_index2\_new)

print(combined\_index\_new)