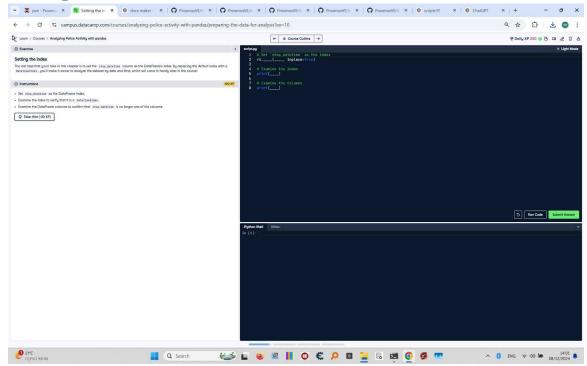
## **Setting the Index**



## **Task Description**

- 1. Set 'stop\_datetime' as the DataFrame index.
- 2. Examine the index to verify that it is a DateTimeIndex.
- 3. Examine the DataFrame columns to confirm that 'stop\_datetime' is no longer one of the columns.

## **Code Solution**

- # Set 'stop\_datetime' as the index
  ri.set index('stop datetime', inplace=True)
- # Examine the index
  print(ri.index)
- # Examine the columns print(ri.columns)

## **Code Explanation**

- 1. The line 'ri.set\_index('stop\_datetime', inplace=True)' sets the 'stop\_datetime' column as the index of the DataFrame. This replaces the default integer index, enabling easier analysis by date and time.
- 2. The line 'print(ri.index)' prints the current index of the DataFrame, confirming that it is now a DateTimeIndex.

3. The line 'print(ri.columns)' prints the list of columns in the DataFrame, verifying that 'stop\_datetime' is no longer included in the list of columns since it has been moved to the index.