```
In [149…   import requests
           from bs4 import BeautifulSoup
           import pandas as pd
           import os
```

```
In [151…   # Clear all variables
           os.system('cls' if os.name == 'nt' else 'clear')
```

```
Out[151…   0
```

```
In [153…   # Base URL and other parameters
           base_url = 'https://ts.ctlanet.org/?&diraction=SearchResults&fs_match=c&mg_g
           total_pages = 50

           # List to store scraped data
           data = []
```

```
In [155…   # Iterate through all pages
           for page_number in range(1, total_pages + 1):
               url = base_url.format(page_number)
               response = requests.get(url)
               soup = BeautifulSoup(response.text, 'html.parser')

               # Find all entries
               entries = soup.find_all('div', class_='span12 well')
               print(f"Page {page_number}: Found {len(entries)} entries")

               # Extract information from each entry
               for entry in entries:
                   try:
                       name = entry.find('span', class_='MCDirectoryName').get_text(str
                   except:
                       name = None
                   try:
                       company = entry.find('span', class_='MCDirectoryCompany').get_te
                   except:
                       company = None
                   try:
                       street_address = entry.find('span', itemprop='streetAddress').ge
                       address_locality = entry.find('span', itemprop='addressLocality'
                       address_region = entry.find('span', itemprop='addressRegion').ge
                       postal_code = entry.find('span', itemprop='postalCode').get_text
                       address = f"{street_address}, {address_locality}, {address_regic
                   except:
                       address = None
                   try:
                       email = entry.find('a', href=lambda href: href and 'mailto:' in
                   except:
                       email = None

                   # Append the extracted data to the list
                   data.append({
                       'Name': name,
```

```
                    'Company': company,
                    'Address': address,
                    'Email': email
              })
```

```
Page 1: Found 15 entries
Page 2: Found 15 entries
Page 3: Found 15 entries
Page 4: Found 15 entries
Page 5: Found 15 entries
Page 6: Found 15 entries
Page 7: Found 15 entries
Page 8: Found 15 entries
Page 9: Found 15 entries
Page 10: Found 4 entries
Page 11: Found 0 entries
Page 12: Found 0 entries
Page 13: Found 0 entries
Page 14: Found 0 entries
Page 15: Found 0 entries
Page 16: Found 0 entries
Page 17: Found 0 entries
Page 18: Found 0 entries
Page 19: Found 0 entries
Page 20: Found 0 entries
Page 21: Found 0 entries
Page 22: Found 0 entries
Page 23: Found 0 entries
Page 24: Found 0 entries
Page 25: Found 0 entries
Page 26: Found 0 entries
Page 27: Found 0 entries
Page 28: Found 0 entries
Page 29: Found 0 entries
Page 30: Found 0 entries
Page 31: Found 0 entries
Page 32: Found 0 entries
Page 33: Found 0 entries
Page 34: Found 0 entries
Page 35: Found 0 entries
Page 36: Found 0 entries
Page 37: Found 0 entries
Page 38: Found 0 entries
Page 39: Found 0 entries
Page 40: Found 0 entries
Page 41: Found 0 entries
Page 42: Found 0 entries
Page 43: Found 0 entries
Page 44: Found 0 entries
Page 45: Found 0 entries
Page 46: Found 0 entries
Page 47: Found 0 entries
Page 48: Found 0 entries
Page 49: Found 0 entries
Page 50: Found 0 entries
```

In [145…
```python
# Convert the list to a DataFrame
df = pd.DataFrame(data)

# Clean the "Name" column
df['Name'] = df['Name'].str.replace('\n', ' ').str.replace('  ', ' ').str.st

# Define the file path
file_path = "/Users/angiegong/Desktop/Work files/Web Sraped Lawyers/"
file_name = "scraped_web_test.csv"
full_path = os.path.join(file_path, file_name)

# Export the DataFrame to CSV
df.to_csv(full_path, index=False)

print(f"Data successfully scraped and saved to {full_path}")
```

Data successfully scraped and saved to /Users/angiegong/Desktop/Work files/W
eb Sraped Lawyers/scraped_web_test.csv

In [157…
```python
#Preview the datafram

df.head
```

```
Out[157…   <bound method NDFrame.head of                       Name
           Company  \
           0        Amanda Francis Owen                 Francis Owen, LLC
           1                 Ross Ziev  Help in Colorado, Ross Ziev P.C.
           2          Elliot A. A Singer                 Conduit Law LLC
           3                  Phil Amos              Colorado Injury Law
           4             Scott Anderson         Anderson Injury Law Firm
           ..                       ...                              ...
           134  Alexander R. Wilschke      Leventhal Puga Braley P.C.
           135              Laura Wolf          Spark Justice Law LLC
           136        David Jackson Wool                 Wool Trial Law
           137               Kurt Zaner         Zaner Harden Law LLP
           138           Alex Zimmerman             Hull and Zimmerman

                                                          Address  \
           0        3200 Cherry Creek S DrSte 520, Denver, CO 80209
           1        8480 E. Orchard RdSte 2400, Greenwood Village,...
           2          1660 Lafayette St.Suite 4, Denver, CO 80218
           3          10176 Woodrose Lane, Highlands Ranch, CO 80129
           4           217 E Fillmore St, Colorado Springs, CO 80907
           ..                                                    ...
           134         950 S Cherry StSte 600, Denver, CO 80246
           135  3435 S. Inca StreetSuite C-113, Englewood, CO ...
           136          1001 Bannock St.Suite 410, Denver, CO 80204
           137      1610 Wynkoop StSte 120, Denver, CO 80202-5999
           138        11178 Huron StSte 2, Northglenn, CO 80234

                                  Email
           0         amanda@francisowen.law
           1                           None
           2            elliot@conduit.law
           3          pamos@coinjurylaw.com
           4              Scott@lawrja.com
           ..                          ...
           134  awilschke@leventhal-law.com
           135        laura@spark-law.com
           136      David@wooltriallaw.com
           137       kz@zanerhardenlaw.com
           138       alex@hzinjurylaw.com

           [139 rows x 4 columns]>
```