CAP

```python
import pandas as pd
import requests
import time

# Lista per salvare i DataFrame ottenuti
#dfs = []

# Ciclo per le pagine da 00 a 97
for i in range(80, 98):
    url = f"https://www.comuni-italiani.it/cap/{i:02d}.html"
    print("Elaboro:", url)

    # Scarica la pagina e imposta l'encoding
    response = requests.get(url)
    response.encoding = 'ISO-8859-1'  # oppure 'latin1' se necessario

    # Legge tutte le tabelle presenti nella pagina
    tables = pd.read_html(response.text)

    # Seleziona la tabella con indice 2 e la aggiunge alla lista
    try:
        df = tables[2]
        dfs.append(df)
    except IndexError:
        print(f"Tabella indice 2 non trovata in {url}")

    # Pausa di 2 secondi prima della prossima iterazione
    time.sleep(2)

# Accoda tutti i DataFrame in uno solo
final_df = pd.concat(dfs, ignore_index=True)
```

```
# Visualizza il DataFrame finale
print(final_df)
```

```
Elaboro: https://www.comuni-italiani.it/cap/80.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/81.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/82.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/83.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/84.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/85.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/86.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)
```

```
Elaboro: https://www.comuni-italiani.it/cap/87.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/88.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/89.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/90.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/91.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/92.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/93.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/94.html
```

```
C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/95.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/96.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)

Elaboro: https://www.comuni-italiani.it/cap/97.html

C:\Users\PVolterr\AppData\Local\Temp\ipykernel_20504\1503377621.py:18: FutureWarning: Passing
  tables = pd.read_html(response.text)
```

	0	1	2	3
0	00010	Casape	10.0	Gallicano nel Lazio
1	00010	Marcellina	10.0	Monteflavio
2	00010	Montelibretti	10.0	Montorio Romano
3	00010	Moricone	10.0	Poli
4	00010	San Gregorio da Sassola	10.0	San Polo dei Cavalieri
...	...	...	...	...
3961	97011	Acate	97012	Chiaramonte Gulfi
3962	97013	Comiso	97014	Ispica
3963	97015	Modica	97016	Pozzallo
3964	97017	Santa Croce Camerina	97018	Scicli
3965	97019	Vittoria	97100	Ragusa

```
[3966 rows x 4 columns]
```

```
# Estrae le colonne originali
col1 = final_df.iloc[:, 0]  # Prima colonna
col2 = final_df.iloc[:, 1]  # Seconda colonna
col3 = final_df.iloc[:, 2]  # Terza colonna
col4 = final_df.iloc[:, 3]  # Quarta colonna

# Concatena verticalmente la prima con la terza, e la seconda con la quarta
```

```
new_col1 = pd.concat([col1, col3], ignore_index=True)
new_col2 = pd.concat([col2, col4], ignore_index=True)

# Crea il nuovo DataFrame a 2 colonne
final_df_2 = pd.DataFrame({
    'Colonna1': new_col1,
    'Colonna2': new_col2
})

# Visualizza il DataFrame finale
(final_df_2)
```

	Colonna1	Colonna2
0	00010	Casape
1	00010	Marcellina
2	00010	Montelibretti
3	00010	Moricone
4	00010	San Gregorio da Sassola
...	...	...
7927	97012	Chiaramonte Gulfi
7928	97014	Ispica
7929	97016	Pozzallo
7930	97018	Scicli
7931	97100	Ragusa

```
final_df_2.to_csv('D:/CAP.csv', sep='|', index = False)
```