

# Get data from Google Places

In [1]:

```
# Import the necessary modules
import requests
from bs4 import BeautifulSoup
import pandas as pd
```

In [2]:

```
# Set the variable for the URL of data page
data = "https://maps.googleapis.com/maps/api/place/textsearch/xml?query=American+restaurant"
```

In [3]:

```
# Get the website data
page = requests.get(data)
```

In [4]:

```
# Build the BeautifulSoup item from the website data
sp = BeautifulSoup(page.text, "html.parser")
```

In [5]:

```
# Find the target tag for name
name = sp.find_all("name")
```

In [6]:

```
# Create a empty list to catch the name
output_name = []
for name_col in name:
    output_name.append(name_col.text)
```

In [7]:

```
# Find the target tag for address
addr = sp.find_all("formatted_address")
```

In [8]:

```
# Create a empty list to catch the address
output_addr = []
for addr_col in addr:
    output_addr.append(addr_col.text)
```

In [9]:

```
# Combine two list as a dataframe and save it as a CSV file
output = {'Name': output_name, 'Address': output_addr}
df = pd.DataFrame(output)
df.to_csv('restaurant1.csv')
```

