

Program No:-17

Aim:-Implement a program to scrap the webpage of any popular website

### Program Code

```
import requests
from bs4 import BeautifulSoup
import csv
import lxml

URL = "https://www.values.com/inspirational-quotes"

r = requests.get(URL)

print(r.content)

soup = BeautifulSoup(r.content, 'lxml')
print(soup.prettify())

quotes = []

table = soup.find('div', attrs={'id': 'all_quotes'})

for row in table.findAll('div', attrs={'class': 'col-6 col-lg-3 text-center margin-30px-bottom sm-margin-30px-top'}):

    quote = { }

    quote['theme'] = row.h5.text
    quote['url'] = row.a['href']
    quote['img'] = row.img['src']
    quote['lines'] = row.img['alt'].split("#")[0]
    quote['author'] = row.img['alt'].split("#")[1]

    quotes.append(quote)

filename = 'inspirational_quotes.csv'

with open(filename, 'w', newline='') as f:

    w = csv.DictWriter(f, ['theme', 'url', 'img', 'lines', 'author'])

    w.writeheader()

    for quote in quotes:

        w.writerow(quote)
```

## Output

```
scrap x
C:\Users\ajcemca\PycharmProjects\pythonProject1\venv\Scripts\python.exe C:/Users/ajcemca/PycharmProjects/pythonProject1/scrap.py
b'<!DOCTYPE html>\n<html class="no-js" dir="ltr" lang="en-US">\n  <head>\n    <title>Inspirational Quotes - Motivational Quotes - Leadership Quotes | PassItOn.com\n  </title>\n  <meta charset="utf-8"/>\n  <meta content="text/html; charset=utf-8" http-equiv="content-type"/>\n  <meta content="IE=edge" http-equiv="X-UA-Compatible"/>\n  <meta content="width=device-width,initial-scale=1.0" name="viewport"/>\n  <meta content="The Foundation for a Better Life | Pass It On.com" name="description"/>\n  <link href="/apple-touch-icon.png" rel="apple-touch-icon" sizes="180x180"/>\n  <link href="/favicon-32x32.png" rel="icon" sizes="32x32" type="image/png"/>\n  <link href="/favicon-16x16.png" rel="icon" sizes="16x16" type="image/png"/>\n  <link href="/site.webmanifest" rel="manifest"/>\n  <link color="#c8102e" href="/safari-pinned-tab.svg" rel="mask-icon"/>\n  <meta content="#c8102e" name="msapplication-TileColor"/>\n  <meta content="#ffffff" name="theme-color"/>\n  <link crossorigin="anonymous" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+d86PchSf46C8fCf042F05579.9" media="all" rel="stylesheet"/>\n  <link href="/assets/application-2a7a8e6a1c3f620bac9efa66420f5579.css" media="all" rel="stylesheet"/>\n  </head>\n  <body>\n    <div class="container">\n      <div class="row">\n        <div class="col-md-12">\n          <h1>Inspirational Quotes - Motivational Quotes - Leadership Quotes | PassItOn.com\n        </h1>\n      </div>\n    </div>\n  </body>\n</html>\n'
```