Program no:16

Aim ;Implement a program to scrap the web page of any popular website

Program

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

URL = "http://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 = 'inspirtaional_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

```
1    theme,url,img,lines,author                                                                                    ✓
2    LOVE,/inspirational-quotes/7444-where-there-is-love-there-is-life,https://assets.passiton.com/quotes/quote_artwork/7444/medium/20220215
3    LOVE,/inspirational-quotes/7439-at-the-touch-of-love-everyone-becomes-a-poet,https://assets.passiton.com/quotes/quote_artwork/7439/medi
4    FRIENDSHIP,/inspirational-quotes/8304-a-friend-may-be-waiting-behind-a-stranger-s-face,https://assets.passiton.com/quotes/quote_artwork
5    FRIENDSHIP,/inspirational-quotes/3331-wherever-we-are-it-is-our-friends-that-make,https://assets.passiton.com/quotes/quote_artwork/3331
6    FRIENDSHIP,/inspirational-quotes/8303-find-a-group-of-people-who-challenge-and,https://assets.passiton.com/quotes/quote_artwork/8303/me
7    FRIENDSHIP,/inspirational-quotes/8302-there-s-not-a-word-yet-for-old-friends-who-ve,https://assets.passiton.com/quotes/quote_artwork/83
8    FRIENDSHIP,/inspirational-quotes/7435-there-are-good-ships-and-wood-ships-ships-that,https://assets.passiton.com/quotes/quote_artwork/7
9    PERSISTENCE,/inspirational-quotes/6377-at-211-degrees-water-is-hot-at-212-degrees,https://assets.passiton.com/quotes/quote_artwork/6377
10   PERSISTENCE,/inspirational-quotes/8301-the-key-of-persistence-opens-all-doors-closed,https://assets.passiton.com/quotes/quote_artwork/8
11   PERSISTENCE,/inspirational-quotes/7918-you-keep-putting-one-foot-in-front-of-the,https://assets.passiton.com/quotes/quote_artwork/7918/
12   PERSISTENCE,/inspirational-quotes/7919-to-persist-with-a-goal-you-must-treasure-the,https://assets.passiton.com/quotes/quote_artwork/79
13   PERSISTENCE,/inspirational-quotes/8300-failure-cannot-cope-with-persistence,https://assets.passiton.com/quotes/quote_artwork/8300/mediu
14   INSPIRATION,/inspirational-quotes/8298-though-no-one-can-go-back-and-make-a-brand-new,https://assets.passiton.com/quotes/quote_artwork/
15   INSPIRATION,/inspirational-quotes/8297-a-highly-developed-values-system-is-like-a,https://assets.passiton.com/quotes/quote_artwork/8297
16   INSPIRATION,/inspirational-quotes/7066-just-don-t-give-up-trying-what-you-really-want,https://assets.passiton.com/quotes/quote_artwork/
17   INSPIRATION,/inspirational-quotes/8296-when-we-strive-to-become-better-than-we-are,https://assets.passiton.com/quotes/quote_artwork/829
18   INSPIRATION,/inspirational-quotes/8299-the-most-important-thing-is-to-try-and-inspire,https://assets.passiton.com/quotes/quote_artwork/
19   OVERCOMING,/inspirational-quotes/6828-bad-things-do-happen-how-i-respond-to-them,https://assets.passiton.com/quotes/quote_artwork/6828/
20   OVERCOMING,/inspirational-quotes/8294-show-me-someone-who-has-done-something,https://assets.passiton.com/quotes/quote_artwork/8294/medi
21   OVERCOMING,/inspirational-quotes/6137-its-not-the-load-that-breaks-you-down-its-the,https://assets.passiton.com/quotes/quote_artwork/61
22   OVERCOMING,/inspirational-quotes/6805-getting-over-a-painful-experience-is-much-like,https://assets.passiton.com/quotes/quote_artwork/6
23   OVERCOMING,/inspirational-quotes/8293-if-you-cant-fly-then-run-if-you-cant-run-then,https://assets.passiton.com/quotes/quote_artwork/82
```

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webscraping ×                                                                                                    ▭ ⚙ —

C:\Users\ajcemca\AppData\Local\Programs\Python\Python39\python.exe C:/Users/ajcemca/PycharmProjects/pythonProject/pythonProject1/webscraping.py
b'<!DOCTYPE html>\n<html class="no-js" dir="ltr" lang="en-US">\n    <head>\n            <title>Inspirational Quotes - Motivational Quotes - Leadership Quotes | Pas
<!DOCTYPE html>
<html class="no-js" dir="ltr" lang="en-US">
  <head>
    <title>
     Inspirational Quotes - Motivational Quotes - Leadership Quotes | PassItOn.com
    </title>
    <meta charset="utf-8"/>
    <meta content="text/html; charset=utf-8" http-equiv="content-type"/>
    <meta content="IE=edge" http-equiv="X-UA-Compatible"/>
    <meta content="width=device-width,initial-scale=1.0" name="viewport"/>
    <meta content="The Foundation for a Better Life | Pass It On.com" name="description"/>
    <link href="/apple-touch-icon.png" rel="apple-touch-icon" sizes="180x180"/>
    <link href="/favicon-32x32.png" rel="icon" sizes="32x32" type="image/png"/>
    <link href="/favicon-16x16.png" rel="icon" sizes="16x16" type="image/png"/>
    <link href="/site.webmanifest" rel="manifest"/>
    <link color="#c8102e" href="/safari-pinned-tab.svg" rel="mask-icon"/>
    <meta content="#c8102e" name="msapplication-TileColor"/>
    <meta content="#ffffff" name="theme-color"/>
    <link crossorigin="anonymous" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1f
    <link href="/assets/application-2a7a8e6a1c3f620bac9efa66420f5579.css" media="all" rel="stylesheet"/>
    <meta content="authenticity_token" name="csrf-param"/>
    <meta content="FqvN/vRWaOX98yiddU7d9ufwfCwr2JwrQoIB61e5Ho3++qbGlw2KNF1w2h/+R42pgwv051hoOBgUhDzOIQTpeg==" name="csrf-token"/>
    <!-- Global site tag (gtag.js) - Google Analytics -->
    <script async="" src="https://www.googletagmanager.com/gtag/js?id=UA-1179606-29">
    </script>
```