



## Assignment 02: Scrape the Simplilearn Website Resource Page

The comments/sections provided are your cues to perform the assignment. You don't need to limit yourself to the number of rows/cells provided. You can add additional rows in each section to add more lines of code.

If at any point in time you need help on solving this assignment, view our demo video to understand the different steps of the code.

Happy coding!

1: View and print the Simplilearn webpage content in a good format

```
In [1]: #Import the required libraries
from bs4 import BeautifulSoup
import requests

In [8]: #Provide the url for web scraping
url = 'https://www.simplilearn.com/resources'

In [13]: #Scrape the web page document
resucepage = requests.get(url)
webpage = resucepage.content

In [14]: #Create the soup object and parse the webpage using an html parser
bs = BeautifulSoup(webpage,'html.parser')

In [17]: #Close the webpage object
resucepage.close

Out[17]: <bound method Response.close of <Response [200]>>
```

#Import the required libraries







[illegible]



[illegible]



[illegible]



[illegible]







[illegible]

```

Virtualization-and-cloud-computing
#course-fast-track
#enterprse
#digital-transformation
#other-segments
https://www.simplilearn.com/resources/agile-and-scrum?source=frs_home
https://www.simplilearn.com/agile-scrum-master-interview-questions-article?source=frs_home
https://www.simplilearn.com/the-scrum-way-to-a-thriving-it-career-article?source=frs_home
https://www.simplilearn.com/devops-scrum-methodology-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/big-data-and-analytics/financial-services_industry-article?source=frs_home
https://www.simplilearn.com/ai-sees-a-big-payday-in-financial-services-industry-article?source=frs_home
https://www.simplilearn.com/how-to-build-career-in-ai-and-machine-learning-article?source=frs_home
https://www.simplilearn.com/creating-chatbots-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/digital-marketing?source=frs_home
https://www.simplilearn.com/creating-your-audience-with-instagram-stories-article?source=frs_home
https://www.simplilearn.com/user-generated-content-article?source=frs_home
https://www.simplilearn.com/digital-marketing-career-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/it-security-management?source=frs_home
https://www.simplilearn.com/what-is-obit-significance-and-framework-rar39-article?source=frs_home
https://www.simplilearn.com/information-security-management-principles-rar35-article?source=frs_home
https://www.simplilearn.com/public-key-cryptography-beginners-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/it-service-management?source=frs_home
https://www.simplilearn.com/student-spotlight-career-transformation-through-a-certification-article?source=frs_home
https://www.simplilearn.com/it-kill-key-concepts-and-summary-article?source=frs_home
https://www.simplilearn.com/enterprise-architecture-salary-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/project-management?source=frs_home
https://www.simplilearn.com/project-estimation-techniques-article?source=frs_home
https://www.simplilearn.com/project-management-interview-questions-and-answers-article?source=frs_home
https://www.simplilearn.com/introduction-to-project-management-beginners-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/salesforce-interview-questions-and-answers-article?source=frs_home
https://www.simplilearn.com/top-salesforce-interview-questions-and-answers-article?source=frs_home
https://www.simplilearn.com/what-is-sap-certification-rar285-article?source=frs_home
https://www.simplilearn.com/salesforce-developer-salary-report-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/virtualization-and-cloud-computing?source=frs_home
https://www.simplilearn.com/devsops-microsoft-azure-certification-secret-to-cloud-computing-career-article?source=frs_home
https://www.simplilearn.com/reasons-to-take-cloud-computing-certification-article?source=frs_home
https://www.simplilearn.com/devops-basics-beginners-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/career-fast-track?source=frs_home
https://www.simplilearn.com/appraisal-questions-to-prepare-for-performance-review-article?source=frs_home
https://www.simplilearn.com/best-practices-for-training-global-employees-article?source=frs_home
https://www.simplilearn.com/appraisal-guide-pdf?source=frs_home
https://www.simplilearn.com/resources/enterprise?source=frs_home
https://www.simplilearn.com/reasons-why-blended-learning-is-ideal-for-corporate-training-article?source=frs_home
https://www.simplilearn.com/best-practices-for-online-learning-article?source=frs_home
https://www.simplilearn.com/idc-study-how-blended-learning-impacts-training-success-pdf?source=frs_home
https://www.simplilearn.com/resources/digital-transformation?source=frs_home
https://www.simplilearn.com/top-digital-transformation-trends-in-government-article?source=frs_home
https://www.simplilearn.com/time-to-learn-artificial-intelligence-ai-article?source=frs_home
https://www.simplilearn.com/skilling-for-the-digital-economy-pdf?source=frs_home
https://www.simplilearn.com/resources/other-segments?source=frs_home
https://www.simplilearn.com/how-digital-bootcamps-promote-diversity-in-tech-article?source=frs_home
https://www.simplilearn.com/software-developer-salary-article?source=frs_home
https://www.simplilearn.com/devops-career-guide-pdf?source=frs_home
https://www.simplilearn.com/refer-and-earn
https://www.facebook.com/simplilearn
https://www.twitter.com/simplilearn
https://www.youtube.com/user/simplilearn
https://www.linkedin.com/company/simplilearn
https://web.telegram.org/#/im?p=simplilearnupdates
https://t.me/simplilearnupdates
https://www.instagram.com/simplilearn_earning/
https://www.simplilearn.com/about-us
https://www.simplilearn.com/our-team
https://www.simplilearn.com/careers
https://www.simplilearn.com/media
https://www.simplilearn.com/reviews
https://www.simplilearn.com/contact-us
https://www.simplilearn.com/become-our-trainer
https://www.simplilearn.com/guest-blogging
https://www.simplilearn.com/resources
https://www.simplilearn.com/tutorials
http://community.simplilearn.com/
https://www.simplilearn.com/feed/
https://www.simplilearn.com/offers-and-discount-coupon-codes?referrer=footer
https://www.simplilearn.com/corporate-training
https://play.google.com/store/apps/details?id=com.mobile.simplilearn
https://itunes.apple.com/app/simplilearn/id936324771?ref=best-practices-for-training?referrer=footer
https://www.simplilearn.com/project-management/pmp-certification-training?referrer=footer
https://www.simplilearn.com/big-data-and-analytics/big-data-and-hadoop-training?referrer=footer
https://www.simplilearn.com/big-data-and-analytics/python-for-data-science-training?referrer=footer
https://www.simplilearn.com/big-data-and-analytics/machine-learning-certification-training-course?referrer=footer
https://www.simplilearn.com/cloud-computing/devops-practitioner-certification-training?referrer=footer
https://www.simplilearn.com/cyber-security/cissp-certification-training?referrer=footer
https://www.simplilearn.com/agile-and-scrum/csm-certification-training?referrer=footer
https://www.simplilearn.com/it-service-management/itil-foundation-training?referrer=footer
https://www.simplilearn.com/mobile-and-software-development/java-javase-soa-development-training?referrer=footer
https://www.simplilearn.com/gmp-plus-bundle-masters-program?referrer=footer
https://www.simplilearn.com/big-data-engineer-masters-certification-training-course?referrer=footer
https://www.simplilearn.com/big-data-and-analytics/senior-data-scientist-masters-program-training?referrer=footer
https://www.simplilearn.com/data-analyst-masters-certification-training-course?referrer=footer
https://www.simplilearn.com/artificial-intelligence-masters-program-training-course?referrer=footer
https://www.simplilearn.com/cloud-solutions-architect-masters-program-training?referrer=footer
https://www.simplilearn.com/cyber-security/cyber-security-program-certification-training?referrer=footer
https://www.simplilearn.com/advanced-digital-marketing-certification-training-course?referrer=footer
https://www.simplilearn.com/cyber-security-expert-master-program-training-course?referrer=footer
https://www.simplilearn.com/full-stack-web-developer-mean-stack-certification-training?referrer=footer
https://www.simplilearn.com/tutorials/aws-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/data-science-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/artificial-intelligence-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/machine-learning-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/deep-learning-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/devops-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/docker-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/big-data-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/hadoop-tutorial?referrer=footer
https://www.simplilearn.com/tutorials/cyber-security-tutorial?referrer=footer
https://www.simplilearn.com/terms-and-conditions/terms-of-use
https://www.simplilearn.com/terms-and-conditions/privacy-policy
https://www.simplilearn.com/terms-and-conditions/rescheduling-policy

```

4. Search and print the resource headers of the Simplilearn webpage

```

In [30]: #view all the headers name
#this div information is obtained from the web page (view page source)
#for header in bs.find_all("h2"):
#    print (header.text)

```

Beyond the Basics: Expert Tips for a Successful Cyber Security Career Today  
Public Key Cryptography Beginner's Guide  
Introduction to Data Science: A Beginner's Guide  
The Complete Guide to Using AI in eCommerce

5. Search resource topics

```

In [32]: #view all the resource topics
#this class information is obtained from the web page (view page source)
#for header in bs.find_all("h4"):
#    print (header.text)

```

Top 20 Agile Scrum Master Interview Questions & Answers  
The Scrum Way to a Thriving IT Career - All You Need to Know  
eBook: Guide To Scrum Methodology  
AI Sees a Big Payday in the Financial Services Industry  
How to Start a Career in AI and Machine Learning?  
The Ultimate Guide to Creating Chatbots  
How to Capture Your Audience With Instagram Stories  
User-Generated Content Is Killing It Right Now  
Digital Marketing Career Guide: A Playbook to Becoming a Digital Marketing Specialist  
What Is SAP Certification? Benefits and Components  
Information Security Management Principles Part I  
Public Key Cryptography Beginner's Guide  
Student Spotlight: Inspiring Story of Career Transformation Through a Certification  
An Overview of ITIL Concepts and Summary Process  
Free eBook: Enterprise Architecture Salary Report  
An Introduction to Project Management: A Beginner's Guide  
Top 23 Salesforce Interview Questions and Answers for 2020  
What Is SAP Certification?  
Free eBook: Salesforce Developer Salary Report  
6 Reasons a Microsoft Azure Certification is the Secret to a Great Cloud Computing Career  
5 Reasons to Take Up A Cloud Computing Certification  
DevOps Basics: A Beginner's Guide

```
6 Key Performance Appraisal Questions and How to Prepare for Them
3 Best Practices for Training Global Employees
Appraisal Guide 101
3 Reasons Why Blended Learning Is Ideal for Corporate Training
6 Online Learning Practices You Need to Prioritize
IDC Study: How Blended Learning Impacts Training Success
Top Digital Transformation Trends in Government
Time to Learn AI
Skilling for the Digital Economy: A Role-Based Approach
How Digital Bootcamps Promote Diversity in Tech
Average Software Developer Salary in 2020
DevOps Career Guide: A Comprehensive Playbook To Becoming A DevOps Engineer
```

**6: View the article names and navigate through them**

```
In [63]: #Create article object for finding the list (Hint: the class information is obtained from the web page
         (view page source))
url12 = "https://www.simplilearn.com/What-is-agile-project-management-article?source=frs_home"
webpage2= requests.get(url12)
webcont = webpage2.content
bs2 = BeautifulSoup(webcont,'html.parser')
test = bs2.find(class_ = "desig_author empty-text tutorialContent")
```

```
In [ ]:
```



