"Solution for Data Science Assignment".

- In [1]: from selenium import webdriver
 from selenium.webdriver.common.keys import Keys
 import time
- In [2]: PATH = '/Users/ziiv/Desktop/chromedriver'
- In [3]: driver = webdriver.Chrome(PATH)
- In [4]: driver.get('https://novelfull.com/warriors-promise/chapter-1.html')
- In [5]: print(driver.title)

Read Warrior's Promise - Chapter 1 online free - Novel Full

In [6]: print(driver.page_source)

THE CLUSS CHAPTER STAFF FRANCEON TYPE BACTON CLUSS n btn-responsive btn-success toggle-nav-open "></button><div class="chapter-nav id="chapter-nav-top"><div class="btn-group">Prev Chapter/ span><button type="button" class="btn btn-success chapter_ju mp"></button>< a class="btn btn-success" href="/warriors-promise/chapter-2.html " title="Chapter 2" id="next_chap">Next Chapter</ span></div></div><hr class="chapter-end"><div id="chapter-co ntent" class="chapter-c" style="font-family: Arial, sans-serif, serif; font-size: 18px; line-height: 160%; height: auto !importa nt;"><script async="" src="https://pagead2.googlesyndication.com</pre> /pagead/js/adsbygoogle.js"></script><!-- full thich ung --><ins class="adsbygoogle" style="display: block; height: 280px;" dataad-client="ca-pub-2371791870283090" data-ad-slot="2009706278" da ta-ad-format="auto" data-full-width-responsive="true" data-adsby google-status="done"><ins id="aswift_0_expand" style="display:in</pre> In [7]: #finding the contents of a chapters on a webpage written under the
 chapter = driver.find_element_by_id('chapter-content')
 print(chapter.text)

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ders and inferiors of the Sus changed their view of Su Mo.

They used to look at him with respect and admiration, but now, they were looking at him with disappointment and contempt.

On the altar, Su Mo managed to slowly stand up with his fists clenched.

He looked around and saw their expressions. "What snobbish people they are!" Su Mo smiled satirically in his heart.

Previously, when he was considered to be highly talented, all of them showed their respect to him. Wherever he went, they all swa rmed to him and kissed his ass.

Now, after he awakened a useless Martial Soul, they all instantly looked at him with contempt.

After a while, Su Mo took a deep breath and strode off the altar

"Next one, Su Yu!" exclaimed the hosting elder.

Glancing at Su Mo, he shook his head secretly. The former genius was a genius no more!

Upon hearing this, Su Yu walked toward the altar with a prideful look.

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In [9]: #going back to the chapter 1 webpage
driver.back()
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In [10]: chapter2 = driver.find_element_by_id('chapter-content')
    print(chapter2.text)
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In [11]: #for loop to extract the contents of 30 chapters

first_30_chapters = {}

for i in range(30):
        chapter = driver.find_element_by_id('chapter-content')
# print(chapter)
# appending into the dictionary
        first_30_chapters[i] = chapter.text
        link = driver.find_element_by_id('next_chap')
        link.click()
```

In [12]: print(first_30_chapters)

old man as he looked at Su Mo and abruptly grabbed his hands.\n" Sir, don't worry! Just tell me what happened," Su Mo asked.\n"Th e Bloody Blade Stockade looted our village and slaughtered all o f us."\nThe old man was in grief, yet his eyes were filled with resentment.\n"The Bloody Blade Stockade?"\nSu Mo's eyes narrowed , for he had heard of the Bloody Blade Stockade.\nIt was said th at the Bloody Blade Stockade was a bunch of bandits stationed 10 0 kilometers from Sunnywood City who often committed cruel crime s like this.\nThey were evil in every way, but they were very sm art to not attack powerful groups and only targeted the weak.\nT herefore, the Bloody Blade Stockade had always gotten their way for years instead of being uprooted.\n"How many were there? What 's their strength?"\nSu Mo's eyes were cold, and he felt a ragin g desire to kill them.\n"It was a small team with about 20 peopl e, but they all were powerful martial artists above Lv 3 Qi Cult ivation Realm."\nThe old man had lost too much blood, and his vo ice trailed off. "Our village had only five martial artists of t he Qi Cultivation Realm, and none of them could rival them, so t hey were all killed in a short time!"\n"Young man, please save m v granddaughter. She was abducted and as long as you can save h

In [13]: # saving the extracted content into json format

import json

with open('first_30_chapters.json', 'w') as jsonfile: json.dump(first_30_chapters, jsonfile)

In [14]: first_30_chapters[0]

Out[14]: 'Chapter 1: The Awakening of Martial Souls\nTranslator: Transn itor: Transn\nThe story started in Sunnywood City, Skymoon Country .\nIn the mansion of the Sus, a ceremony of Martial Soul awakening was being held in a huge martial practice field.\nAn altar stood i n the center of the martial practice field.\nMany elders and disci ples of the Sus were clustered in the field, watching the ceremony .\n"Rank 2 Human Class Martial Soul!"\n"Rank 3 Human Class Martial Soul!"\n"Rank 3 Human Class Martial Soul!"\nThe elder hosting the ceremony continuously announced the ranks of the Su disciples' awa kened Martial Souls.\nThe level of the Martial Soul indicated the cultivating talent of martial artists. Both Rank 2 and Rank 3 Huma n Class Martial Soul were common Martial Souls and were considered mediocre.\nMany people in the martial practice field fixed their e yes on two young men who were standing in the front row.\nOne was dressed in teal clothes, and the other one was wearing purple clot hes. They were both quite handsome.\nThe young man in teal was cal led Su Mo, the young master of the Sus and the son of the Master o f the Sus.\nThe young man in purple was the son of the First Elder of the Sus.\nThey both were seeded disciples with great talents am ong all inferiors, especially Su Mo.\nThe young master had accompl ished Lv 9 Body Tempering Realm at the age of 15, and he was endow

ed with the highest talent among all inferiors.\nTherefore, everyo ne looked forward to seeing what levels of Martial Souls they woul d awaken.\nIn the first row, Su Yu, dressed in purple clothes, gla nced at Su Mo, who was next to him. He sneered and said, "You're c alled the top genius of the entire Su clan. I hope that you can aw aken a Martial Soul that is well worthy of your identity."\nThe ey es of Su Yu were full of sarcasm. He had an extremely high talent, but Su Mo was spoken more highly of than him in the Su clan.\nThe so-called nickname of top genius made Su Mo so famous that he stol e Su Yu's honors.\nAs a result, Su Yu could only be second to him every time.\nSu Yu was so furious, because even the lady he liked had a crush on Su Mo.\nNow, his opportunity had finally arrived. A s long as he could awaken a Martial Soul with a higher level than that of Su Mo, he would claim the title of first genius among the Sus.\nHowever, Su Mo was unprovoked. He did not say anything, beca use he clearly knew Su Yu's hostility toward him.\nThen, the hosti ng elder exclaimed,\n"Next up, Su Mo!"\nSu Mo instantly strode ont o the altar.\nRight at this moment, all people fixed their eyes on him and the entire martial practice field immediately guietened. T hey were wondering what the level of Martial Soul Su Mo, the first genius of the Su clan, could awaken.\nAfter entering the altar, Su Mo sat cross-legged with his eyes tightly closed.\nGlowing runes e merged consecutively beneath the altar and entered into Su Mo's bo dy.\nThe surrounding disciples of the Sus started to whisper after Su Mo entered the altar.\n"Can you guess which level of Martial So ul brother Su Mo can awaken?"\n"As the young master, the level of his Martial Soul must be very high."\n"You're right. He has accomp lished Lv 9 Body Tempering Realm at less than 15 years old, so he' ll awaken a Martial Soul with an extremely high level."\nAmidst th e disciples' heated discussion, more and more sparkling runes floa ted above the altar and enveloped Su Mo's body.\nWith his legs cro ssed and eyes closed, Su Mo started to breathe quickly, and roarin g sounds gradually arose.\nEveryone stopped breathing and stared c losely at the altar.\nBoom!\nFinally, with a mighty booming sound, a dark shadow abruptly rose from his body.\nThis dark shadow was a huge vortex, inside which was a bottomless black hole, making peop le feel a chill.\nAt the same time, a yellow halo appeared above t he shadow.\nAh!\nAll the Sus were instantly glassy-eyed.\n"Why is there only one halo?"\n"His Martial Soul is Rank 1 Human Class?"\n "How is this possible?"\nEveryone was stunned, and even Su Yu felt startled with his mouth agape.\nHe had not expected that Su Mo wou ld only awaken a Rank 1 Human Class Martial Soul.\nThe Rank 1 Huma n Class Martial Soul was the lowest one and totally useless.\nSeat ed on the altar with his legs crossed, Su Mo slowly opened his eye s. He was also dumbfounded when he saw his Martial Soul.\n"Rank 1 Human Class Martial Soul..." Su Mo murmured with a bitter smile on h is lips. He had never thought that he would awaken a lowest rank M artial Soul.\nAfter a while, everyone regained consciousness, and the martial practice field was suddenly in an uproar.\n"Oh my, my eyes must be playing tricks on me. It's a Rank 1 Human Class Marti al Soul, the totally useless one?"\n"He awakened a useless Martial Soul. Crap, I can't believe I anticipated for so long!"\n"He isn't a genius, but the most useless person in our clan!"\n"..."\nAll the

spectators were talking about the matter, and all the elders and i nferiors of the Sus changed their view of Su Mo.\nThey used to loo k at him with respect and admiration, but now, they were looking a t him with disappointment and contempt.\nOn the altar, Su Mo manag ed to slowly stand up with his fists clenched.\nHe looked around a nd saw their expressions. "What snobbish people they are!" Su Mo s miled satirically in his heart.\nPreviously, when he was considere d to be highly talented, all of them showed their respect to him. Wherever he went, they all swarmed to him and kissed his ass.\nNow , after he awakened a useless Martial Soul, they all instantly loo ked at him with contempt.\nAfter a while, Su Mo took a deep breath and strode off the altar.\n"Next one, Su Yu!" exclaimed the hostin g elder.\nGlancing at Su Mo, he shook his head secretly. The forme r genius was a genius no more!\nUpon hearing this, Su Yu walked to ward the altar with a prideful look.\nWhen he passed by Su Mo, he coldly laughed and disdainfully said, "I used to regard you as my rival. But from now on, the rivalry is gone, and I'll tread you un der my foot forever!"\nSu Yu felt extremely happy. Now that Su Mo had awakened the lowest rank Martial Soul, Su Mo would not even be eligible to lick his shoes.\nEven if he awakened a bad Martial Sou l, it would still be higher than Su Mo's.\nSu Yu strode onto the a ltar after saying these words.\nWithout responding to his provocat ion, Su Mo returned to the martial practice field and calmly obser ved the ceremony.\nStanding in the martial practice field, he felt some disparaging eyes fixed upon him and saw the disdainful expres sions of disciples around him.\nSu Mo's heart could not stop twitc hing. After all, the feeling of falling from heaven to hell was in deed torture.\nNow, Su Yu sat on the altar cross-legged. The glowi ng runes emerged from the black alter and all entered his body.\nT he martial practice field quieted down again, and everyone looked forward to seeing his Martial Soul.\nSu Mo had awakened a useless Martial Soul, so it was impossible that Su Yu would awaken another useless one.\nOtherwise, the Sus would become a joke in Sunnywood City.\nHowl!\nAs everyone was anticipating, a beast's roar abruptl y came out from Su Yu's body.\nA giant virtual shadow of a snake r ose above the head of him, triumphantly.\nThere were five dazzling yellow halos around the python's shadow.\nThe hosting elder was st unned at the sight of his Martial Soul. Then, he shouted excitedly , "Five halos! It's a Rank 5 Human Class Martial Soul -Iron-scaled Python."\nThe Rank 5 Human Class Martial Soul was the highest one in all of Sunnywood City. Finally, another genius had appeared in the Sus.\nThe entire martial practice field fell into silence at t he sight of Su Yu's Martial Soul.\nThen, it was in an uproar again .\n"Rank 5 Human Class Martial Soul!"\n"Haha! The top genius appea red in the Su clan."\n"Brother Su Yu turned out to be the first ge nius of our Su clan. Su Mo is nothing!"\n"You're right! Su Mo only has a useless Martial Soul. He can't be compared with Su Yu!"\nAll disciples of the Sus looked at Su Yu with admiration.\nOn the alta r, Su Yu saw that he awakened a Rank 5 Human Class Martial Soul an d heard the surprise and admiration from the crowd.\nA thick of pr ide arose in his heart and felt that everything was beautiful. He was full of high spirits and thought that no one could rival him.\ nHe arrogantly turned to Su Mo and looked at him with eyes full of

sarcasm, as if to say, "I will always tread you under my foot from now on."\nAfter seeing Su Yu's proud look and hearing the praise f rom the crowd, Su Mo sighed in his heart and left the martial practice field.\nIf you find any errors (broken links, non-standard content, etc..), Please let us know < report chapter > so we can f ix it as soon as possible.'

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In [15]: #validating
with open('first_30_chapters.json') as json_file:
    data = json.load(json_file)
```

In [16]: data

hich was a sign of the Completion Realm.\nWith his strength and physical force nowadays, Su Mo was not afraid of martial artists at Lv 4 Qi Cultivation Realm at all.\nHe did not rush to cultiva te the scrolls in the storage ring, because it was more urgent t o improve his cultivation.\n"I have to find a way to increase th e rank of my Martial Soul," Su Mo murmured to himself.\nHe was n ow performing both Qi Cultivation and Body Refining at the same time. He needed a great amount of Spiritual Qi for Elephants Str ength Skill, but his Rank 3 Human Class Martial Soul did not abs orb Spiritual Qi quickly enough.\nThe only way to improve the ra nk of a Martial Soul was to devour Beast Souls and other Martial Souls.\nDevouring Martial Souls was not practical for now, since he could not kill people in the city, so he had to devour Beast Souls.\nIn addition to hunting for Beast Souls, he could also bu y them with gold from any big shop in Sunnywood City.\nHowever, they were not cheap. The higher the rank of demonic beast, the p ricier its Beast Soul was.\nAs far as Su Mo knew, the Beast Soul of a demonic beast with Lv 3 or 4 Qi Cultivation Realm usually c ost over one kilogram of gold each.\nAfter pondering for a while he had an idea and walked to the Master Mansion.\n"Haha! Mo'er

In []:	