**#SCRIPT 1: Used to fetch all the links available in the website**

import requests  
import pandas  
from bs4 import BeautifulSoup  
# for i in (65, 91):  
for i in range(65, 91):  
 letter = chr(i)  
 page = requests.get(f"https://www.mayoclinic.org/diseases-conditions/index?letter={letter}")  
 soup = BeautifulSoup(page.content, "html.parser")  
 list\_of\_diseases = soup.find(id="index")  
 # print(list\_of\_diseases)  
 safe = list\_of\_diseases.find\_all("a")  
 print(safe, end="\n")  
 for each in safe:  
 value = each.get("href")  
 if value == "#index":  
 continue  
 else:  
 link\_disease.add(value)  
  
print(link\_disease)

# I will attach all the links that have been fetched in a separate file by the name of 'links'

**#script 2: to fetch all the data from each link fetched using the above script**

import requests  
import pandas as pd  
from bs4 import BeautifulSoup  
  
disease\_name = []  
disease\_symptoms = []  
i = 0

link\_disease = [ all links fetched using script 1] # As mentioned above the list -> link\_disease can be # found in a separate file that I would be attaching

for link in link\_disease:  
 i += 1  
 page = requests.get(f"https://www.mayoclinic.org{link}", headers={'User-Agent': 'Mozilla/5.0'})  
 soup = BeautifulSoup(page.content, "html.parser")  
 name = soup.find('h1').get\_text()  
  
 start = soup.find('ul', class\_="listGroup")  
 if start is None:  
 continue  
 else:  
 value = start.find\_next('ul').contents  
 # print("\*")  
 \_string = ""  
 for each in value:  
 if each == "\n":  
 continue  
 else:  
 \_string += each.get\_text() + ","  
 # print("\*")  
 disease\_symptoms.append(\_string)  
 disease\_name.append(name)  
 print(i)  
  
# print(le)  
print(len(disease\_name))  
print(len(disease\_symptoms))  
excel = pd.DataFrame(  
 {  
 "Name": disease\_name,  
 "Symptoms": disease\_symptoms  
  
 })  
excel.to\_csv("DiseaseAndSymptom.csv")

***Total Attachments:***

***1) Scripts used***

***2) link\_disease (links fetched)***

***3) csv file of symptomsanddiseases***

The other part of the project is to build UI, which will be handled by Pavitra Aneja and I will be assisting him.