FIFTH Pogoam webscraping is also known as web courling It is the process of extencting data from websites. Lieb Charless (Spidess 68) bots) automatically navigate the web by following links from one Page to another. The main goal is 60 discared new pages and reviset existing ones to see if they have been captated. Courters download the content of each pages for Further Processing. Indexing is the process of processing and storing the dita collected by web coawlers into a Structure format it is easy and fast to retrieve the data exis sports, movies, politics. Sitemap is a file witten in XML. It list all the URLS of a website. Site owner submits sitemap data. If you want to design a website your arbsite is able to shown in the Scorch engine you should give conviling and indexing. Send HTTP Requests: Using program language like python requests library to send request to web servers and between the HTML Content of web pages. Parse HTML: Use parsing libraries like Beautifulsauf extract specific data from MTML (Heading, paragraph, links, tables, images). catact outa: - with the pursal HTML. you can

locate and celebact the selectant data using HTML Tagy.

cleaning and stoucturing: After extracting you ned to clean k stoucture 16. finally state Data: Save the extracted data in a structured format like CSV, JSON 60 database for further analysis. Robots. Ext file: - It tells search engine which pages to access and which are not access. Used-agent: * All Command disallow > falder / pages. Usex-agent: Idirectory 1 The 'sobots. Ext' file must be placed in the out disectory of the website. Tobots Ext @ file Consists of one or more blats of dioectives. each block starts with usex-agent line to specify which counters the directives apply fallow by one or more Disallow (ox) Allow line ex: Uses-agent * Disallow: / private/ Disallow: /Emp/ Allow: / Ruble/ User-agent: Googlebot Disallow: /no-google. It Block all webcounters from accessing the private disectory. Use1-agent: * Disallow:/pointe/

Allow all Counters to access the Public directory
Allow: / Public/ # prevent the Google web coarrier from accessing the mo-google disectory. Usen-agent: Googlehol
Disallow: / no-google/ # Provide the Jocation of sitemap Sitemap: https://www.sample-com/Sitemap-Xml. Impost sequests Desponse = requests get ("http://en-arixipedia.089/xobets-6xt") Eest = desponse. Lest paint ("Sobots. txt for http://www.waxipalia.089//")
paint (test) CA CON A CONTRACT NAME OF THE PARTY OF THE P Import requests # make a get request to the sobots-ext file.

Tesponse = request-get (" -- ") # check if the request was successfull if Desponse-Status_code==200: # Store the Content of the soboles ext file Eest = response. Eest-# print the Contents else; point ('failed to setvices the soluts. Let file').