



Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

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Experiment No. 2
To perform web crawling, scraping and parsing using Instant data scraper, Netlytic and Octoparse
Date of Performance: 14/02/2024
Date of Submission: 15/02/2024



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Aim: To perform web crawling, scraping and parsing using Instant data scraper, Netlytic and Octoparse.

Objective: To apply web crawling, scraping, and parsing techniques to extract data from Google reviews using Instant Data Scraper, extract data from YouTube comments using Netlytic, and set up and run web scraping tasks to extract data using Octoparse.

Theory:

Web crawling: Web crawling is the process of automatically browsing the internet and indexing web pages. It is typically done by search engines to discover new content and update their indexes. Web crawlers, also known as spiders or bots, follow links from one page to another and download the content of each page for indexing. While web crawling is not the same as web scraping, web scraping often involves web crawling to navigate through a website and extract data from multiple pages.

Web scraping: This is the process of extracting specific information from websites. It involves using software or programming scripts to access the HTML of web pages and extract the desired data, such as text, images, or links. Web scraping can be done manually or automatically, and it is used for various purposes, including data collection, market research, and price monitoring.

Parsing: Parsing is the process of analyzing the structure of a document or data file to extract meaningful information. In the context of web scraping, parsing is used to extract specific data elements from the HTML or other markup languages used to create web pages. This process involves identifying the patterns and structures of the data and using techniques like regular expressions or HTML parsers to extract the desired information.

Instant Data Scraper: Instant Data Scraper is a Chrome extension that allows scraping data from websites directly in your browser. It provides a simple interface for selecting and extracting data elements, and it can export the data in various formats like CSV or Excel. Instant Data Scraper is useful for quick and easy web scraping tasks, but it may have limitations compared to more advanced scraping tools.



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Netlytic: Netlytic is a cloud-based text and social network analyzer that allows users to collect, analyze, and visualize social media data. It can be used to study online communities, track social media trends, and analyze text data from various sources, including Twitter, Facebook, YouTube, and web forums. Netlytic offers features for data collection, text analysis, and network analysis, making it a versatile tool for social media research and analysis.

Octoparse: Octoparse is a web scraping tool that allows you to extract data from websites without the need for programming. It provides a visual interface for selecting the data to scrape and offers features like scheduled scraping, cloud extraction, and data export options. It's commonly used for tasks such as web data collection, price monitoring, and market research.

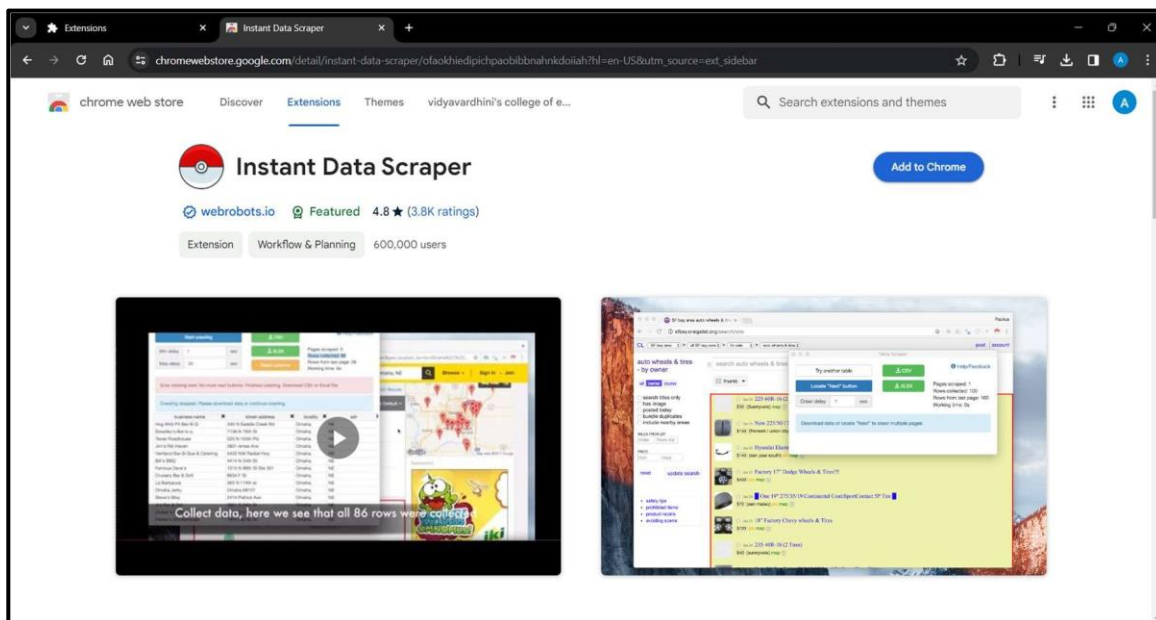
Implementation and Output:

Scrape Google Reviews

Step 1 : Install the Google Chrome extension Instant Data Scraper to scrape Google reviews for any local business

Step 2 : Go to Google Maps and look for a business that interests you

Step 3 : Choose the reviews and launch Instant Data Scraper to crawl Google reviews. Wait until all reviews have been scraped





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The screenshot shows a Google Maps page for 'Farmhouse Fun Fiesta Restaurant' with a sidebar displaying reviews. Overlaid on this is an 'Instant Data Scraper' window. The scraper interface includes controls for 'Stop crawling', 'Min delay' (20 sec), and 'Max delay' (25 sec). It has buttons for 'CSV', 'XLSX', and 'COPY ALL'. A status bar indicates 'Pages scraped: 60', 'Rows collected: 685', 'Rows from last page: 685', and 'Working time: 551s'. A table of scraped data is visible below the controls.

NBA7we src	d4r55	Rfndt	eaLg	hCCj	rsqaWe
https://lh3.googleusercontent.com/a-/ALV-UJWP Darshana Pandya	Local Guide · 21 reviews				4 years ago
https://lh3.googleusercontent.com/a-/ACg8ocJ5z Dharmendra kannaujya (DaMy)	Local Guide · 26 reviews · 406 photos				4 years ago
https://lh3.googleusercontent.com/a-/ALV-UJXWl Adarsh Vishwakarma	Local Guide · 44 reviews · 23 photos				4 years ago
https://lh3.googleusercontent.com/a-/ALV-UJX3z Pramod Damodaran	Local Guide · 17 reviews · 4 photos				4 years ago
https://lh3.googleusercontent.com/a-/ALV-UJU_ FEAT BOYZ CREW FTB	Local Guide · 25 reviews · 15 photos				5 years ago
https://lh3.googleusercontent.com/a-/ACg8ocLX: Vijay Tambe	1 review				3 years ago
https://lh3.googleusercontent.com/a-/ACg8ocLX: Shalet Almeida	1 review · 51 photos				2 years ago
https://lh3.googleusercontent.com/a-/ALV-UJXE Rachana Patil	2 reviews · 1 photo				3 years ago
https://lh3.googleusercontent.com/a-/ALV-UJXF Mitesh Patil	22 reviews				3 years ago
https://lh3.googleusercontent.com/a-/ALV-UJW_ Adarsh Yadav	Local Guide · 136 reviews · 24 photos				4 years ago
https://lh3.googleusercontent.com/a-/ALV-UJUGr Dinesh Rajivale	1 review				3 years ago
https://lh3.googleusercontent.com/a-/ALV-UJWY kinjal patel	7 reviews				3 years ago
https://lh3.googleusercontent.com/a-/ALV-UJWH swapnil patil	Local Guide · 40 reviews · 2 photos				4 years ago

The screenshot shows a Google Excel spreadsheet with the following data:

A1	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	NBA7we src	d4r55	Rfndt	eaLg	hCCj	rsqaWe	wil7pd	w8nwRe	Tap5f	d5Ug	Hvzkle	pkWtMe	d5Ug 2	znYIO	nM6d2c	DZSIDd	wil7pd 2	w8nwRe 2	znYIO 2	fontLabelMedium		
2	https://lh3.sneha koti 5 reviews i	1	4 months i	1 recently	More				4 i	Like		2 i	Share	Response	4 months i	Hello	More					
3	https://lh3 Dhruv Pho Local Guid	1	5 months i	1 recently	More				1 i	Like		1 i	Share	Response	5 months i	Hello	More	Like				
4	https://lh3 Shiuli Das 6 reviews i	1	5 months i	Amazing	More				9 i	Like		2 i	Share	Response	5 months i	Hello	More			00:03		
5	https://lh3 Anjumara Local Guid	1	6 months i	Today, I ar	More				25 i	Like		3 i	Share	Response	6 months i	Hello	More			00:06		
6	https://lh3 Dhaval Api Local Guid	1	3 months i	The food c	More				1 i	Like		1 i	Share					Like		00:29		
7	https://lh3 Vivek Shah Local Guid	1	7 months i	Farmhouse	More				1 i	Like		2 i	Share	Response	4 years ago	Hi Vivek,	More					
8	https://lh3 Madan Ko Local Guid	1	8 months i	This place	More				1 i	Like		2 i	Share	Response	7 months i	Hi	More			00:12		
9	https://lh3 Prakash C Local Guid	1	a year ago	Nice place	More				46 i	Like		48 i	Share	Response	a year ago	Hi	More			00:02		
10	https://lh3 Rahul Raut Local Guid	1	a year ago	One of	More				14 i	Like		1 i	Share	Response	a year ago	Thank you for giving us a perfect rating and hope you will recommend us to you						
11	https://lh3 Ashita Agr Local Guid	1	a year ago	A very pop	More				7 i	Like		1 i	Share	Response	a year ago	Hi Ashita,	More	Like		00:04		
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27	https://lh3 Sanket Lac Local Guid	1	a year ago	Today I	More				10 i	Like		1 i	Share	Response	a year ago	Hi Sanket,	More					
28	https://lh3 Pranay Kar Local Guid	1	a year ago	Recently	More				7 i	Like		4 i	Share	Response	a year ago	Hello						
29	https://lh3 Mohit Dub Local Guid	1	5 days ago	We have c	More				1 i	Like		1 i	Share	Response	5 days ago	Hello		Share				
30	https://lh3 Miloni Mu 9 reviews i	1	2 years ago	Great plac	More				2 i	Like		1 i	Share	Response	2 years ago	Hello! We really appr	Like			00:02		
31	https://lh3 Frank Almi Local Guid	1	a year ago	What a w	More				3 i	Like		3 i	Share	Response	a year ago	Hey	More					
32	https://lh3 KASHISH G Local Guid	1	2 years ago	Restauran	More				3 i	Like		1 i	Share	Response	2 years ago	Hello! We really appr	Like					
33	https://lh3 Tejal Malo Local Guid	1	2 years ago	Good Serv	More				6 i	Like		3 i	Share	Response	2 years ago	Dear	More					
34	https://lh3 Phool Local Guid	1	a year ago	1 hour	More				1 i	Like		1 i	Share	Response	2 years ago	Hi Phool,	More					

Scrape YouTube Comments using Netlytic



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Step 1 : Sign up for Netlytic

Step 2 : Click "New Dataset"

Step 3 : Select "YouTube" as the data source

Step 4 : Copy the YouTube video ID you want to scrape comments from and paste it into Netlytic, also enter Dataset Name and click import

Step 5 : Go to "My Datasets" tab where you can find your dataset

The screenshot shows the Netlytic web interface for creating a new dataset. The browser address bar shows `netlytic.org/index.php/do_addDataset`. The navigation menu includes Home, About, Resources For..., Help, My Datasets, New Dataset (active), and My Account, with a Log Out button on the right. The main content area has tabs for different data sources: Twitter(discontinued), YouTube (selected), Google Sheets, Text File, RSS, and Reddit/Telegram (via Communalytic.org). A yellow box titled "YouTube API information and limitations" contains text about API limits and a recommendation to use third-party tools. Below this, there are input fields for "OnePlus" (dataset name) and "WT8e-vBnDvQ" (video ID), with a note "(No Special Characters)". A section titled "Enter the ID of the YouTube video as follows:" shows a URL `https://www.youtube.com/watch?v=9hZko7a1980` and a red arrow pointing to the video ID "9hZko7a1980" after "v=" in the URL. An "Important notices" section lists three points: not to close the browser, that only top-level comments and up to 5 replies are collected, and that data is deleted after 30 days. At the bottom, it says "You are using 1/3 of your permitted datasets - [Get More](#)". The footer has "Import" and "Go Back (No Action)" buttons.



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The screenshot shows the Netlytic web application interface. The top navigation bar includes links for Home, About, Resources For..., Help, My Datasets, New Dataset, and My Account. The main content area displays a dataset named 'OnePlus' with a keyword search for 'camera'. The results are shown in a table with columns for DATE, USER, and POSTS. The table contains three entries:

DATE	USER	POSTS, N = 3 (INCLUDING PARTIAL MATCHES)
2024-02-28	@fysolo7089	Improve HDR issues from your front camera !! I already bought OnePlus12R
2024-02-28	@fysolo7089	@OnePlusindiamobile've bought OnePlus12R already, please improve HDR issues from the front camera
2024-03-07	@soumyadippaul9571	Cut down the price of 16,256 gb to 40k because of ufs 3.1 and worst camera setup doesn't make any sense 3.1 and worst camera setup doesn't make any sense... And cut down the price

The screenshot shows an Excel spreadsheet with a list of social media posts. The columns are labeled A through W, and the rows are numbered 1 through 34. The data includes author names, post titles, and URLs. The first few rows are as follows:

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	id	author	descriptor	guid	to	likecount	link	pubdate	replycount	title	authorChannelUrl											
2	1	@AceStud	Delay this	Ugw08NksvauOvMR		0	https://www.youtube.com/@AceStudy-kf6mj		1	Delay this	http://www.youtube.com/@AceStudy-kf6mj											
3	2	@OnePlus	Hi there!	V Ugw08NksvauOvMR		0	https://www.youtube.com/@OnePlusindiamobile		0	Hi there!	http://www.youtube.com/@OnePlusindiamobile											
4	3	@weeb_r	Target Auc	UgyYU1pC3t5uSWi		1	https://www.youtube.com/@weeb_rahul		0	Target Auc	http://www.youtube.com/@weeb_rahul											
5	4	@soumyai	Cut down	UgyfMWE8DgKjH8D		0	https://www.youtube.com/@soumyadippaul9571		1	Cut down	http://www.youtube.com/@soumyadippaul9571											
6	5	@OnePlus	Hi there!	V UgyfMWE8DgKjH8D		0	https://www.youtube.com/@OnePlusindiamobile		0	Hi there!	http://www.youtube.com/@OnePlusindiamobile											
7	6	@Gcmsfin	#boycottg	UgwqlyQyRV7oyQ3P		0	https://www.youtube.com/@Gcmsfinder		0	#boycottg	http://www.youtube.com/@Gcmsfinder											
8	7	@mohit_y	Same ufs	UgzEzux2KypjpuOV2		1	https://www.youtube.com/@mohit_yadav_youtub		0	Same ufs	http://www.youtube.com/@mohit_yadav_youtub											
9	8	@azuren2	please do	UgzEzux2KypjpuOV2		2	https://www.youtube.com/@azuren2187		2	please do	http://www.youtube.com/@azuren2187											
10	9	@OnePlus	Hello theri	Ugw08NksvauOvMR		2	https://www.youtube.com/@OnePlusindiamobile		0	Hello theri	http://www.youtube.com/@OnePlusindiamobile											
11	10	@KushalD	Do it for A	Ugw08NksvauOvMR		0	https://www.youtube.com/@KushalDass		0	Do it for A	http://www.youtube.com/@KushalDass											
12	11	@BATMAN	Please dor	UgyaOVWlulh6pXLB		0	https://www.youtube.com/@BATMAN10N		0	Please dor	http://www.youtube.com/@BATMAN10N											
13	12	@eliseoga	For When	Ugw45u4qPzvWhrr		1	https://www.youtube.com/@eliseoga2516		0	For When	http://www.youtube.com/@eliseoga2516											
14	13	@Vikashh	Please fix	Ugw63KxgZbDwIK6		1	https://www.youtube.com/@Vikashh_yadav		0	Please fix	http://www.youtube.com/@Vikashh_yadav											
15	14	@Vikashh	Please fix	Ugw45u4qPzvWhrr		1	https://www.youtube.com/@Vikashh_yadav		0	Please fix	http://www.youtube.com/@Vikashh_yadav											
16	15	@Vikashh	Please fix	Ugw45u4qPzvWhrr		1	https://www.youtube.com/@Vikashh_yadav		0	Please fix	http://www.youtube.com/@Vikashh_yadav											
17	16	@BATMAN	Will it be	UgzlgYGHIE8Gv7ZMB		0	https://www.youtube.com/@BATMAN10N		1	Will it be	http://www.youtube.com/@BATMAN10N											
18	17	@OnePlus	Hi there!	V UgyaOVWlulh6pXLB		0	https://www.youtube.com/@OnePlusindiamobile		0	Hi there!	http://www.youtube.com/@OnePlusindiamobile											
19	18	@KnightOf	no card sd	UgwWNC3Gt0nLSAq		0	https://www.youtube.com/@KnightOfPhoenix1Alceteria		0	no card sd	http://www.youtube.com/@KnightOfPhoenix1Alceteria											
20	19	@jaythakk	Somebody	UgwU_oal1nLRF93g		0	https://www.youtube.com/@jaythakk_204		1	Somebody	http://www.youtube.com/@jaythakk_204											
21	20	@OnePlus	Hey there!	UgwU_oal1nLRF93g		0	https://www.youtube.com/@OnePlusindiamobile		0	Hey there!	http://www.youtube.com/@OnePlusindiamobile											
22	21	@Elainyan	Going to b	Ugw45u4qPzvWhrr		1	https://www.youtube.com/@Elainyan		4	Going to b	http://www.youtube.com/@Elainyan											
23	22	@BruhGuy	Buy for mx	Ugw45u4qPzvWhrr		0	https://www.youtube.com/@BruhGuy69		0	Buy for mx	http://www.youtube.com/@BruhGuy69											
24	23	@polarco	Be our her	Ugw45u4qPzvWhrr		0	https://www.youtube.com/@polarco8801		0	Be our her	http://www.youtube.com/@polarco8801											
25	24	@BATMAN	Same brot	Ugw45u4qPzvWhrr		0	https://www.youtube.com/@BATMAN10N		0	Same brot	http://www.youtube.com/@BATMAN10N											
26	25	@Elainyan	@polarco	Ugw45u4qPzvWhrr		0	https://www.youtube.com/@Elainyan		0	@polarco	http://www.youtube.com/@Elainyan											
27	26	@AnuragS	I recently	UgzTUSC_11ZEuATB5		0	https://www.youtube.com/@AnuragSingh-fu6em		0	I recently	http://www.youtube.com/@AnuragSingh-fu6em											
28	27	@suhailch	I am excite	Ugw08NksvauOvMR		1	https://www.youtube.com/@suhailchadhiary1816		1	I am excite	http://www.youtube.com/@suhailchadhiary1816											
29	28	@bindunaj	How can i	UgzTUSC_11ZEuATB5		0	https://www.youtube.com/@bindunagarwal4832		1	How can i	http://www.youtube.com/@bindunagarwal4832											
30	29	@OnePlus	Hi! Thank	UgzTUSC_11ZEuATB5		0	https://www.youtube.com/@OnePlusindiamobile		0	Hi! Thank	http://www.youtube.com/@OnePlusindiamobile											
31	30	@Mental	Dear OneP	Ugw45u4qPzvWhrr		1	https://www.youtube.com/@Mental_ff		3	Dear OneP	http://www.youtube.com/@Mental_ff											
32	31	@nazimmm	yes it's of	Ugw45u4qPzvWhrr		0	https://www.youtube.com/@nazimmonda4291		0	yes it's of	http://www.youtube.com/@nazimmonda4291											
33	32	@OnePlus	Hey there!	Ugw45u4qPzvWhrr		0	https://www.youtube.com/@OnePlusindiamobile		0	Hey there!	http://www.youtube.com/@OnePlusindiamobile											
34	33	@OnePlus	Hey there!	Ugw45u4qPzvWhrr		0	https://www.youtube.com/@OnePlusindiamobile		0	Hey there!	http://www.youtube.com/@OnePlusindiamobile											

Web Scrapping using Octoparse



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Step 1 : Go to web page

Step 2 : Create pagination

Step 3 : Build a loop item

Step 4 : Extract the data

Step 5 : Run the task and get the data

The screenshot shows a web application window titled "New Task". On the left is a dark blue sidebar with icons and labels for "Upg...", "New", "Task List", "Templates", "Tools", "Pricing", "Automation", "Data Service", "Index", "Help", and "Settings". The main content area has a "Task Group" dropdown set to "My Group" with a "New Group" button next to it. Below this is the "URL Source" section with buttons for "Enter manually", "Import from file", "Import from task", and "Batch generate". The "URL Input" section contains a large text box with the URL "https://www.flipkart.com/search?q=iphone%2015&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=on&as=off". Below the text box is a note "Please enter no more than 10K URLs." and a blue "Save" button.



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The screenshot shows the Flipkart website's product page for the Apple iPhone 15 Pro (Natural Titanium, 128 GB). The price is ₹1,27,990, marked down from ₹1,34,900 (5% off). The page includes a sidebar with navigation links like 'New', 'Task List', 'Templates', 'Tools', 'Pricing', 'Automation', 'Data Service', 'Inbox', 'Help', and 'Settings'. A data extraction tool is overlaid on the right side, showing a 'Go to Webpage' button and a 'Data Preview' section. The tool's interface includes a 'General' tab with a 'Go to Webpage' field containing the URL 'https://www.flipkart.com/search?q=iphone%2015&otracker=search&'. The 'Data Preview' section shows 'Total 0 line of data' and a message: 'The current page has no data fields added. Click Auto-detect webpage data or add data fields manually'.

The screenshot shows the Flipkart search results page for 'iphone 15'. The results show 25 - 48 of 477 results. The top result is the Apple iPhone 15 Pro (Black Titanium, 1 TB) priced at ₹1,77,990, marked down from ₹1,84,900 (3% off). The page includes a sidebar with filters for 'Categories' (Mobiles & Accessories, Mobiles), 'Price' (Min to ₹30000+), and 'Brand' (Apple). A data extraction tool is overlaid on the right side, showing a 'Go to Webpage' button and a 'Data Preview' section. The tool's interface includes a 'General' tab with a 'Click to Paginate' button and a 'Data Preview' section showing 'Total 0 line of data' and a message: 'The current page has no data fields added. Click Auto-detect webpage data or add data fields manually'.



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The screenshot shows the Flipkart website with a search for "iphone 15". The results show two iPhone 15 Pro models: Black Titanium (1 TB) and Blue Titanium (1 TB). The Black Titanium model is priced at ₹1,77,990. The Blue Titanium model is priced at ₹1,84,900. A data extraction tool interface is overlaid on the right side of the page. The tool has a "Go to Webpage" button, a "Click to..." button, and an "Extract Data" button. A "Tips" box is also visible, stating: "1 data field(s) extracted, you can continue to select more elements. Consider setting up Auto Login to access websites that require your login info. Set up Auto Login with Cookies. Auto-detect webpage data." Below the product listings, a "Data Preview" table is shown with the following data:

Data Fields	Field Name	Content	Field Settings	More
Page 1	Title	Apple iPhone 15 Pro (Black Titanium, 1 TB)	Capture data on the page	Absolute XPath //div[@id="container"]/div[1]/div[3]/div[1]/div
Extract Data	Ratings	4.7	Capture data on the page	Absolute XPath //div[@id="container"]/div[1]/div[3]/div[1]/div
	Price	₹1,77,990	Capture data on the page	Absolute XPath //div[@id="container"]/div[1]/div[3]/div[1]/div
	Details	Apple iPhone 15 Pro (Black Titanium, 1 TB)	Capture data on the page	Absolute XPath //div[@id="container"]/div[1]/div[3]/div[1]/div

The screenshot shows the same Flipkart website as above, but with a modal dialog box open. The dialog box is titled "How would you like to run your task?" and has two options: "Run on your device" and "Run in the Cloud". The "Run on your device" option is selected. Below the options, there are buttons for "Standard Mode" and "Boost Mode". The "Run in the Cloud" option is also visible, with a description: "Run task in the Cloud and have scalable cloud processors working for you 24/7 non-stop. Data will be stored in cloud with easy access any time. API supported." Below the buttons, there are "Automation Settings" links for both options.



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Home | Iphone 15- Buy Product... X

Iphone 15- Buy Products Online at Best Price in India - All Categories | Flipkart.com

20 Data Extracted

Completed

Task completed

Duplicates: 2 lines Time Spent: 24s Avg. Speed: 49 lines/min

Rerun Export

Task Overview Data List Event Log Recent Runs

#	Title	Ratings	Price	Details
10	Apple iPhone 13 Pro Max (Graphite, 256 GB)	4.6	₹1,39,900	Apple iPhone 13 Pro Max (Graphite, 256 GB) 4.62,06 ... 15 Bionic Chip ...
11	Apple iPhone XR (Blue, 64 GB) (Includes EarPods, Power Adapter)	4.6	₹47,900	Apple iPhone XR (Blue, 64 GB) (Includes EarPods, P... ocessor iOS 13 C...
12	Apple iPhone XR (White, 128 GB)	4.6	₹52,900	Apple iPhone XR (White, 128 GB) 4.61,00,954 Rating ... ation Fast-charg...
13	Apple iPhone 13 mini (Starlight, 256 GB)	4.5	₹74,900	Apple iPhone 13 mini (Starlight, 256 GB) 4.53,798 ... 15 Bionic Chip Pro...
14	Apple iPhone SE (Red, 256 GB)	4.5	₹54,900	Apple iPhone SE (Red, 256 GB) 4.51,54,661 Ratings ... rgers are Sold Se...
15	Apple iPhone 8 (Silver, 64 GB)	4.5	₹39,900	Apple iPhone 8 (Silver, 64 GB) 4.511,379 Ratings & ... ocessor iOS 13 C...
16	Apple iPhone 14 Pro (Deep Purple, 512 GB)	4.6	₹1,49,900	Apple iPhone 14 Pro (Deep Purple, 512 GB) 4.62,145 ... Phone and 6 M...
17	Apple iPhone 14 Pro (Deep Purple, 512 GB)	4.6	₹1,49,900	Apple iPhone 14 Pro (Deep Purple, 512 GB) 4.62,145 ... Phone and 6 M...
18	Apple iPhone 14 Pro Max (Space Black, 1 TB)	4.6	₹1,77,999	Apple iPhone 14 Pro Max (Space Black, 1 TB) 4.62,3 ... Phone and 6 Mo...
19	Apple iPhone 14 Pro (Silver, 256 GB)	4.6	₹1,29,900	Apple iPhone 14 Pro (Silver, 256 GB) 4.62,145 Rati... Phone and 6 Mon...
20	Apple iPhone 13 mini (Starlight, 128 GB)	4.5	₹64,900	Apple iPhone 13 mini (Starlight, 128 GB) 4.53,798 ... 15 Bionic Chip Pro...

< 1 > Go to Page

Iphone 15- Buy Products Online at Best Price in India - All Categories - Flipkart.com - Excel

Aditi Sawant

A	B	C	D	E
Title	Ratings	Price	Details	
Apple iPhone 15 Pro (Black Titanium, 1 TB)	4.7	₹1,77,999	Apple iPhone 15 Pro (Black Titanium, 1 TB)	
Apple iPhone 15 Pro (Black Titanium, 1 TB)	4.7	₹1,77,999	Apple iPhone 15 Pro (Black Titanium, 1 TB)	
Apple iPhone 14 ((PRODUCT)RED, 128 GB)	4.6	₹58,999	Apple iPhone 14 ((PRODUCT)RED, 128 GB)	
Apple iPhone 11 (Black, 128 GB)	4.6	₹48,900	Apple iPhone 11 (Black, 128 GB)	
Apple iPhone XR (White, 64 GB) (Includes EarPods, Power Adapter)	4.6	₹47,900	Apple iPhone XR (White, 64 GB) (Includes EarPods, Power Adapter)	
Apple iPhone 6 (Gold, 32 GB)	4.4	₹30,780	Apple iPhone 6 (Gold, 32 GB)	
Apple iPhone 13 Pro Max (Alpine Green, 1 TB)	4.6	₹1,79,900	Apple iPhone 13 Pro Max (Alpine Green, 1 TB)	
Apple iPhone 14 Pro Max (Space Black, 128 GB)	4.6	₹1,27,999	Apple iPhone 14 Pro Max (Space Black, 128 GB)	
Apple iPhone 13 Pro Max (Graphite, 256 GB)	4.6	₹1,39,900	Apple iPhone 13 Pro Max (Graphite, 256 GB)	
Apple iPhone XR (Blue, 64 GB) (Includes EarPods, Power Adapter)	4.6	₹47,900	Apple iPhone XR (Blue, 64 GB) (Includes EarPods, Power Adapter)	
Apple iPhone XR (White, 128 GB)	4.6	₹52,900	Apple iPhone XR (White, 128 GB)	
Apple iPhone 13 mini (Starlight, 256 GB)	4.5	₹74,900	Apple iPhone 13 mini (Starlight, 256 GB)	
Apple iPhone SE (Red, 256 GB)	4.5	₹54,900	Apple iPhone SE (Red, 256 GB)	
Apple iPhone 8 (Silver, 64 GB)	4.5	₹39,900	Apple iPhone 8 (Silver, 64 GB)	
Apple iPhone 14 Pro (Deep Purple, 512 GB)	4.6	₹1,49,900	Apple iPhone 14 Pro (Deep Purple, 512 GB)	
Apple iPhone 14 Pro (Deep Purple, 512 GB)	4.6	₹1,49,900	Apple iPhone 14 Pro (Deep Purple, 512 GB)	
Apple iPhone 14 Pro Max (Space Black, 1 TB)	4.6	₹1,77,999	Apple iPhone 14 Pro Max (Space Black, 1 TB)	
Apple iPhone 14 Pro (Silver, 256 GB)	4.6	₹1,29,900	Apple iPhone 14 Pro (Silver, 256 GB)	
Apple iPhone 13 mini (Starlight, 128 GB)	4.5	₹64,900	Apple iPhone 13 mini (Starlight, 128 GB)	



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Conclusion:

The experiment looked into different ways of collecting data from the web, using tools like Instant Data Scraper, Netlytic, and Octoparse. We learned how each tool works and what they're good at in getting information from websites. These tools offer different ways of gathering data, which can be helpful for research, analysis, or business purposes. By using Instant Data Scraper, Netlytic, and Octoparse well, people can make collecting data easier and get useful insights to make better decisions in various areas. Basically, the experiment showed that it's important to use different web scraping tools effectively to get the data you need and understand it better. So, if you're trying to gather information from the web, choosing the right tool can make a big difference.