

Aim : Web Scrapping on Aws Clouds and storing data on mongodb showing output.

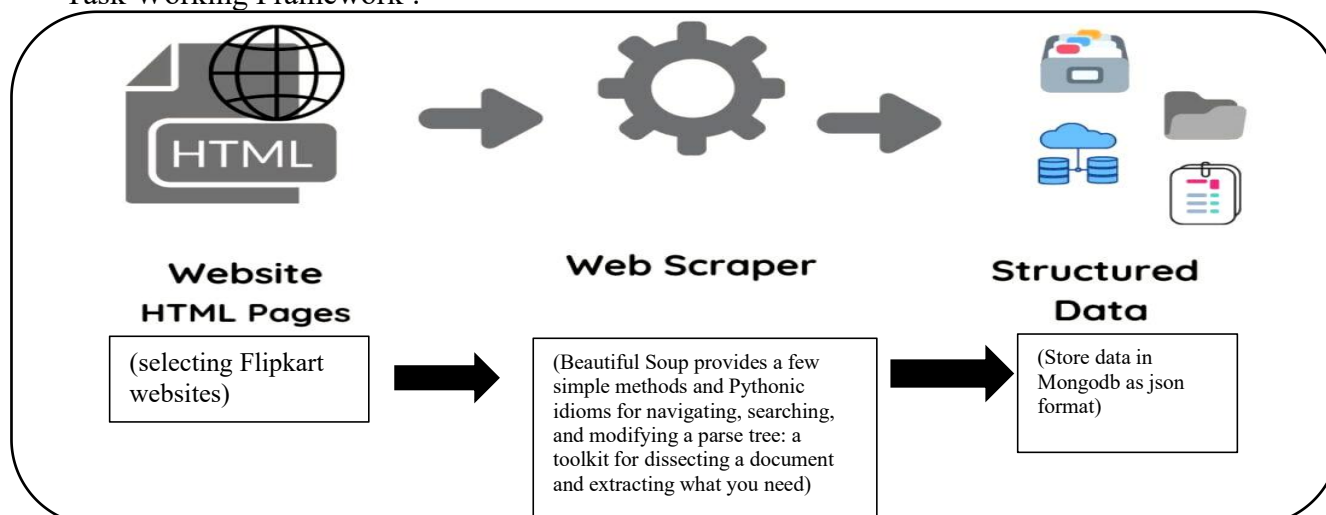
Details about task :

Web scraping (or data scraping) is a technique used to collect content and data from the internet. This data is usually saved in a local file so that it can be manipulated and analyzed as needed. In this case we store data in mongodb database in json format. For Web Scrapping using BeautifulSoup (Beautiful Soup is a Python package for parsing HTML and XML documents.) Scrapping e-commerce site Flipkart.

Requirement :

- 1) Jupyternote book (Python IDE)
- 2) Mongodb compass (for store data)
- 3) AWS Cloud (Creating virtual machine)

Task Working Framework :



Outputs :

Apple products list of name, sale prize , actual prize , rating offer, no of rating, no of reviews from Flipkart sites.

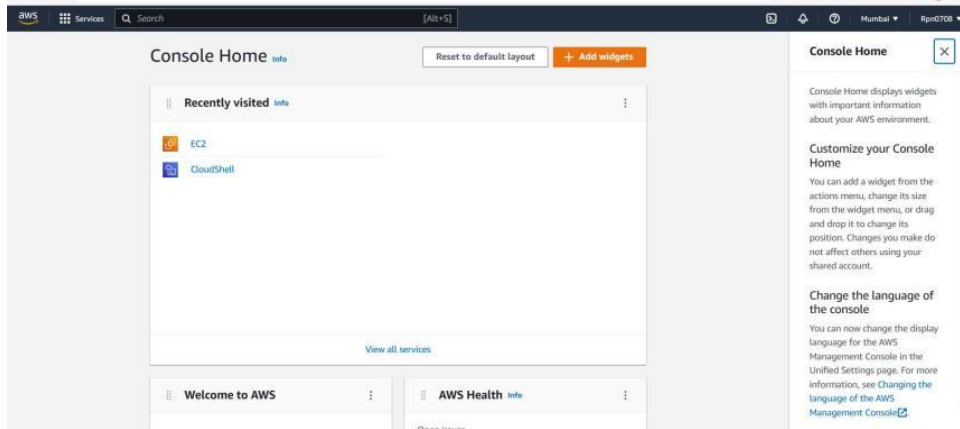
(flipkart Site url : [Online Shopping Site for Mobiles, Electronics, Furniture, Grocery, Lifestyle, Books & More. Best Offers! \(flipkart.com\)](https://www.flipkart.com/))

	Brand	model	discount	price
0	APPLE	APPLE iPhone 11 Pro Max (Midnight Green, 64 GB)	12% off	₹95,699
1	APPLE	APPLE iPhone 13 Pro Max (Graphite, 512 GB)	15% off	₹1,34,999
2	APPLE	APPLE iPhone 13 ((PRODUCT)RED, 512 GB)	13% off	₹85,999
3	APPLE	APPLE iPhone 14 Pro (Deep Purple, 512 GB)	4% off	₹1,52,999
4	APPLE	APPLE iPhone 14 (Purple, 512 GB)	7% off	₹1,01,999
5	APPLE	APPLE iPhone 12 mini (White, 128 GB)	15% off	₹54,999
6	APPLE	APPLE iPhone 14 Pro (Gold, 1 TB)	3% off	₹1,72,999
7	APPLE	APPLE iPhone 14 Pro (Silver, 512 GB)	4% off	₹1,52,999
8	APPLE	APPLE iPhone 13 (Pink, 512 GB)	13% off	₹85,999
9	APPLE	APPLE iPhone 13 Pro Max (Silver, 256 GB)	Null	₹1,39,900
10	APPLE	APPLE iPhone 13 Pro Max (Gold, 512 GB)	15% off	₹1,34,999
11	APPLE	APPLE iPhone 13 (Starlight, 512 GB)	13% off	₹85,999

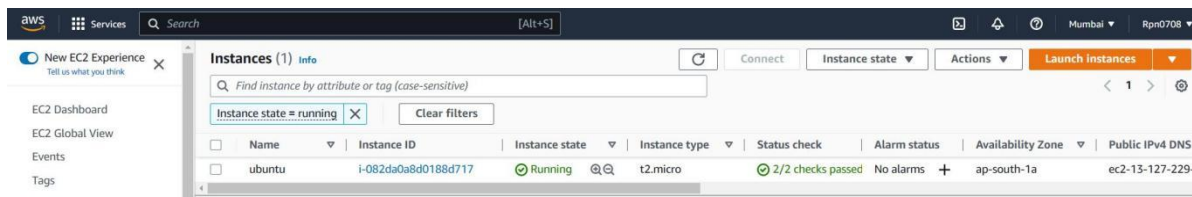
Report as follows :

Amazon Web Services, Inc. (AWS) is a subsidiary of Amazon that provides on-demand cloud computing platforms and APIs to individuals, companies, and governments, on a metered, pay-as-you-go basis.

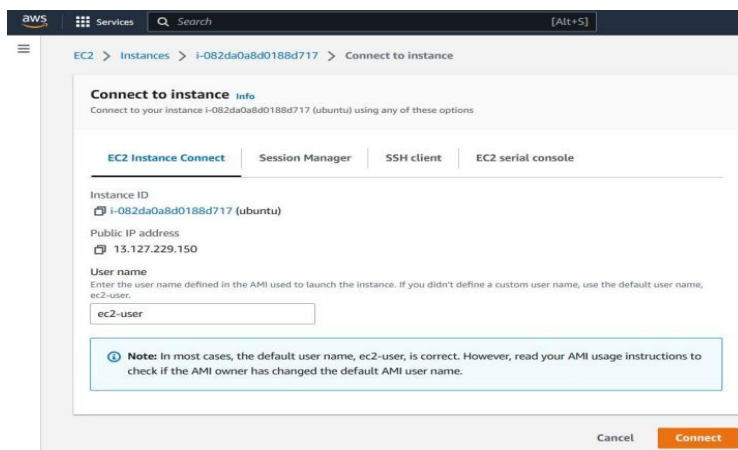
Step 1: Sign up on amazon web services and login into it.



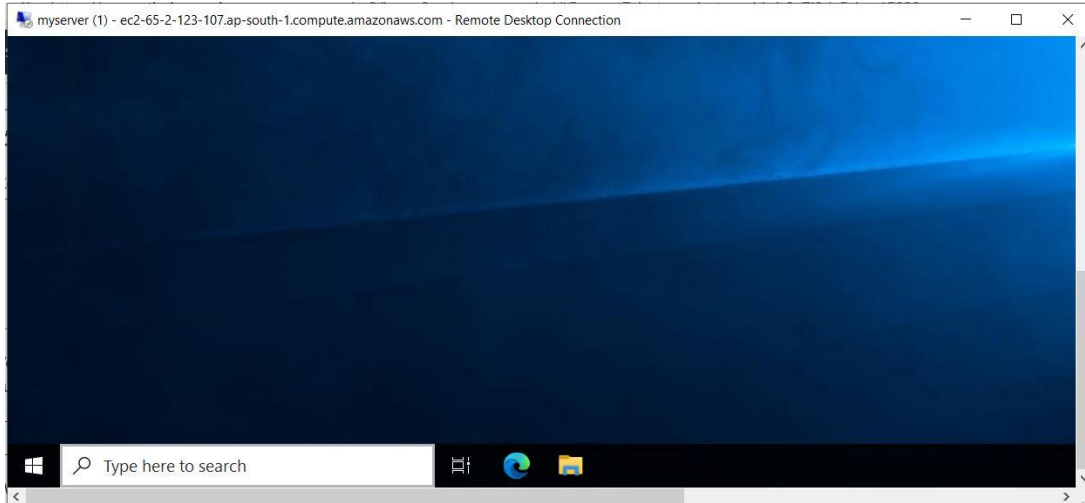
Step 2 : (An instance in cloud computing is a virtual server that is provided by a cloud computing platform)
Making instances and Run :



Step 3: Run instances.



Step 4: Running AWS clouds (Microsoft windows 10 virtual machine)



Step 5 :connect to localhost google collbs and mongodb.

Local connection settings

Create a local connection by following [these instructions](#).

⚠️ Make sure you trust the authors of this notebook before executing it. With a local connection, the code you execute can read, write, and delete files on your computer.

⚠️ By default, all code cell outputs are stored in Google Drive. If your local connection will access sensitive data and you would like to omit code cell outputs, check the option below or under "Notebook settings".

☐ Omit code cell output when saving this notebook

Backend URL e.g. `http://localhost:8888/?token=abc123` (required)
`http://localhost:8888/?token=d488dd1befcc5cf01baa037d2c32d94c09c4590fbc79`

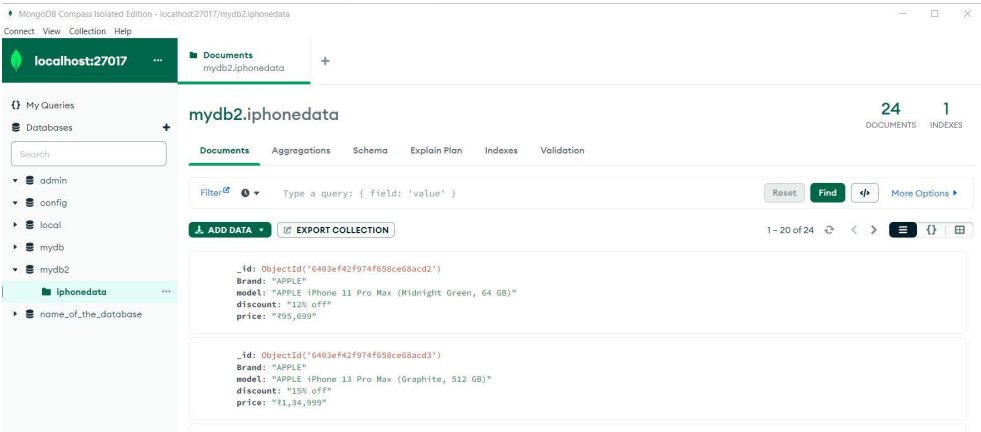
Start a Jupyter notebook server on your machine. Once the server has started, it will print a message with the initial backend URL used for authentication. Copy this URL in its entirety.

Cancel [Connect](#)

Step 6: after running code we get out of iphone data from flipkart
 Also we obtain csv file and json file formats of data.

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Step 7 : store data in mongodb as follows.



Output:

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