

# CSE-3024 Web Mining

## Lab Assignment 4

Alokam Nikhitha

19BCE2555

# **Question**

## **Experiment 4 (28.01.2022)**

1. Use BeautifulSoup or Scrapy to crawl any one of the E-commerce website of your choice and perform the same. The following information needs to be extracted from the page: (Choose any one product : e.g laptop, smartphone ... etc)

- a) Product Name
- b) Product price
- c) Product discount
- d) Product image

## **Problem statement:**

To Crawl any of the E-commerce website and extract the data from the page like Name, Price, Discount and image of the Product.

## **Procedure:**

- We will Firstly import our libraries which are necessary in order to scrap the data from the website.
- Later we will declare the variables and also we will initialize the URL and also the beautifulsoup.
- Later we will create the file result.csv and dump the scrapped data into it. Here we will make a made the header with Name, Price, Discount and Image.
- Later we will collect the data of the product and add it to the CSV file.
- On running the python file the results.csv file will be created with scrapped data in it.
- In the result.csv file, the data of the product i.e, Name, Price, Discount and Image will be displayed .The image is returned in the form of a link.

## URL of the website from which we are scrapping the data :

"https://www.flipkart.com/search?q=apple&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=on&as=off"

## Code:

```
1  ## Alokam Nikhitha
2  ## 198CE2555
3  ## LAB DA4
4  ##importing libraries
5  ✓ import bs4
6  from bs4 import BeautifulSoup
7  import requests
8  from csv import writer
9  import colorama
10 from colorama import Fore
11 #declaring variables and initializing url, beautiful soup
12 url = "https://www.flipkart.com/search?q=apple&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=on&as=off"
13 page = requests.get(url).text
14 soup = BeautifulSoup(page, 'html.parser')
15 tags = soup.find_all('div',class_="_1AtVbE col-12-12")
16 #creating csv and dumping the scraped data in it
17 print(Fore.WHITE+"Scraping Data "+Fore.GREEN+"done...")
18 ✓ with open('result.csv', 'w', encoding='utf8',newline='') as f:
19     thewriter = writer(f)
20     header = ['Name','Price','Discount','Image']
21     thewriter.writerow(header)
22 ✓ for tag in tags:
23     name = getattr(tag.find('div',class_="_4rR01T"),'text', None)
24     price = getattr(tag.find('div', class_="_30jeq3 _1_WHN1"),'text', None)
25     discount = getattr(tag.find('div',class_="_3Ay65b"),'text', None)
26     image = tag.find('img', class_="_396cs4 _3exPp9")
27     info = [name, price, discount, image]
28     thewriter.writerow(info)
29 #acknowledging the user with location of result csv
30 print(Fore.WHITE+"Successfully Dumped at "+Fore.GREEN+"result.csv")
```

# Code Snippets and Outputs:

```
19BCE2555
main.py
1  ## Alokam Nikhitha
2  ## 19BCE2555
3  ## LAB DA4
4  ##importing libraries
5  import bs4
6  from bs4 import BeautifulSoup
7  import requests
8  from csv import writer
9  import colorama
10 from colorama import Fore
11 #declaring variables and initializing url, beautiful soup
12 url = "https://www.flipkart.com/search?q=apple&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=on&as=off"
13 page = requests.get(url).text
14 soup = BeautifulSoup(page, 'html.parser')
15 tags = soup.find_all('div',class_="_1AtVbE col-12-12")
16 #creating csv and dumping the scraped data in it
17 print(Fore.WHITE+"Scraping Data "+Fore.GREEN+"done...")
18 with open('result.csv', 'w', encoding='utf8',newline='') as f:
19     thewriter = writer(f)
20     header = ['Name','Price','Discount','Image']
21     thewriter.writerow(header)
22     for tag in tags:
23         name = getattr(tag.find('div',class_="_4rR01T"),'text', None)
24         price = getattr(tag.find('div', class_="_30jeq3 _1_WHN1"),'text', None)
25         discount = getattr(tag.find('div',class_="_3Ay6Sb"),'text', None)
26         image = tag.find('img', class_="_396cs4 _3exPp9")
27         info = [name, price, discount, image]
28         thewriter.writerow(info)
29 #acknowledging the user with location of result csv
30 print(Fore.WHITE+"Successfully Dumped at "+Fore.GREEN+"result.csv")
```

The python file is stored in the folder named '19BCE2555'.

```
1  ## Alokam Nikhitha
2  ## 19BCE2555
3  ## LAB DA4
4  ##importing libraries
5  import bs4
6  from bs4 import BeautifulSoup
7  import requests
8  from csv import writer
9  import colorama
10 from colorama import Fore
```

Here we are importing the necessary libraries inorder to Scrap the data.

```
#declaring variables and initializing url, beautiful soup
url = "https://www.flipkart.com/search?q=apple&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=on&as=off"
page = requests.get(url).text
soup = BeautifulSoup(page, 'html.parser')
tags = soup.find_all('div',class_="_1AtVbE col-12-12")
```

Here we are declaring the variables and also we are Initializing the URL (here url is from 'Flipkart' site). And also initializing the beautifulsoup.

```
#creating csv and dumping the scrapped data in it
print(Fore.WHITE+"Scraping Data "+Fore.GREEN+"done...")
with open('result.csv', 'w', encoding='utf8',newline='') as f:
    thewriter = writer(f)
    header = ['Name','Price','Discount','Image']
    thewriter.writerow(header)
    for tag in tags:
        name = getattr(tag.find('div',class_="_4rR01T"),'text', None)
        price = getattr(tag.find('div', class_="_30jeq3 _1_WHN1"),'text', None)
        discount = getattr(tag.find('div',class_="_3Ay6Sb"),'text', None)
        image = tag.find('img', class_="_396cs4 _3exPp9")
        info = [name, price, discount, image]
        thewriter.writerow(info)
```

Here we are creating CSV file and dumping the scrapped data in it . Here we are opening the file result.csv and dumping the scrapped data into it. Here we made the header with Name, Price, Discount and Image. Later we are collecting the data of the product and adding it to the CSV file.

```
1  ## Ajokam Nikhitha
2  ## 198CE2555
3  ## LAB DA4
4  ##importing libraries
5  import bs4
6  from bs4 import BeautifulSoup
7  import requests
8  from csv import writer
9  import colorama
10 from colorama import Fore
11 #declaring variables and initializing url, beautiful soup
12 url = "https://www.flipkart.com/search?q=apple&otracker=search&otracker1=search&marketplace=FLIPKART&as-sh"
13 page = requests.get(url).text
14 soup = BeautifulSoup(page, 'html.parser')
15 tags = soup.find_all('div',class_="_1AtVbE col-12-12")
16 #creating csv and dumping the scrapped data in it
17 print(Fore.WHITE+"Scraping Data "+Fore.GREEN+"done...")
18 with open('result.csv', 'w', encoding='utf8',newline='') as f:
19     thewriter = writer(f)
```

Windows PowerShell  
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS C:\Users\LENOVO\Downloads\198CE2555> python main.py
Scraping Data done...
Successfully Dumped at result.csv
PS C:\Users\LENOVO\Downloads\198CE2555>
```

Here we are running the code using the command **‘python main.py’** in the terminal. Here the **“result.csv”** file got created in the folder after running the code.

```
1 Name,Price,Discount,Image
2 "APPLE iPhone SE (White, 128 GB)","₹35,099",21% off,"img alt=""APPLE iPhone SE (White, 128 GB)"" class=""_396cs4_3exPp9""
3 "APPLE iPhone SE (Black, 128 GB)","₹35,099",21% off,"img alt=""APPLE iPhone SE (Black, 128 GB)"" class=""_396cs4_3exPp9""
4 "APPLE iPhone 12 Mini (Black, 64 GB)","₹49,999",16% off,"img alt=""APPLE iPhone 12 Mini (Black, 64 GB)"" class=""_396cs4_
5 "APPLE iPhone SE (Red, 64 GB)","₹30,099",24% off,"img alt=""APPLE iPhone SE (Red, 64 GB)"" class=""_396cs4_3exPp9"" src=""
6 "APPLE iPhone SE (White, 64 GB)","₹30,099",24% off,"img alt=""APPLE iPhone SE (White, 64 GB)"" class=""_396cs4_3exPp9"" s
7 "APPLE iPhone SE (Black, 64 GB)","₹30,099",24% off,"img alt=""APPLE iPhone SE (Black, 64 GB)"" class=""_396cs4_3exPp9"" s
8 "APPLE iPhone SE (Red, 128 GB)","₹35,099",21% off,"img alt=""APPLE iPhone SE (Red, 128 GB)"" class=""_396cs4_3exPp9"" src
9 "APPLE iPhone 12 (Black, 64 GB)","₹60,199",8% off,"img alt=""APPLE iPhone 12 (Black, 64 GB)"" class=""_396cs4_3exPp9"" sr
10 APPLE 2020 Macbook Pro M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MYD92HN/A,"₹1,31,990",7% off,"img alt=""APPLE 2020 Macbook Pr
11 APPLE 2020 Macbook Pro M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MYD92HN/A,"₹1,31,990",7% off,"img alt=""APPLE 2020 Macbook Pr
12 APPLE MMTN2ZM/A Wired Headset,"₹1,799",5% off,"img alt=""APPLE MMTN2ZM/A Wired Headset"" class=""_396cs4_3exPp9"" src=""h
13 Apple AirPods with Charging Case Bluetooth Headset with Mic,"₹12,499",16% off,"img alt=""Apple AirPods with Charging Case
14 APPLE MHJD3HN/A 20 W 3 A Mobile Charger,"₹1,900",,"img alt=""APPLE MHJD3HN/A 20 W 3 A Mobile Charger"" class=""_396cs4_3e
15 "APPLE iPhone 12 Mini (White, 64 GB)","₹49,999",16% off,"img alt=""APPLE iPhone 12 Mini (White, 64 GB)"" class=""_396cs4_
16 "APPLE iPhone 12 Mini (Blue, 64 GB)","₹49,999",16% off,"img alt=""APPLE iPhone 12 Mini (Blue, 64 GB)"" class=""_396cs4_3e
17 "APPLE iPhone 12 (Blue, 128 GB)","₹64,999",8% off,"img alt=""APPLE iPhone 12 (Blue, 128 GB)"" class=""_396cs4_3exPp9"" sr
18 "APPLE iPhone 13 (Pink, 128 GB)","₹74,900",6% off,"img alt=""APPLE iPhone 13 (Pink, 128 GB)"" class=""_396cs4_3exPp9"" sr
19 "APPLE iPhone 13 (Starlight, 128 GB)","₹74,900",6% off,"img alt=""APPLE iPhone 13 (Starlight, 128 GB)"" class=""_396cs4_3
20 "APPLE iPhone 13 (Midnight, 128 GB)","₹74,900",6% off,"img alt=""APPLE iPhone 13 (Midnight, 128 GB)"" class=""_396cs4_3ex
21 "APPLE iPhone XR ((PRODUCT)RED, 128 GB)","₹44,999",14% off,"img alt=""APPLE iPhone XR ((PRODUCT)RED, 128 GB)"" class=""_39
22 "APPLE iPhone XR (Yellow, 128 GB)","₹44,999",14% off,"img alt=""APPLE iPhone XR (Yellow, 128 GB)"" class=""_396cs4_3exPp9
23 APPLE 2020 Macbook Air M1 - (8 GB/256 GB SSD/Mac OS Big Sur) MGN63HN/A,"₹90,990",2% off,"img alt=""APPLE 2020 Macbook Air
24 APPLE 2020 Macbook Pro M1 - (8 GB/256 GB SSD/Mac OS Big Sur) MYD92HN/A,"₹1,12,990",8% off,"img alt=""APPLE 2020 Macbook Pr
```

In the result.csv we can see the data that is scrapped from the Flipkart website.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Name	Price	Discount	Image																	
2	APPLE IPH 12	₹49,999	16% off	<img alt=""APPLE iPhone 12 Mini (Black, 64 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kg8avm80/mobile/n/p/d/apple-iphone-12-mini-dummya																	
3	APPLE IPH 12	₹30,099	24% off	<img alt=""APPLE iPhone SE (Red, 64 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/k9loccw0/mobile/6/8/g/apple-iphone-se-mxv2hn-a-original-i																	
4	APPLE IPH 12	₹30,099	24% off	<img alt=""APPLE iPhone SE (White, 64 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/k9loccw0/mobile/6/b/z/apple-iphone-se-mxd02hn-a-original-i																	
5	APPLE IPH 12	₹35,099	21% off	<img alt=""APPLE iPhone SE (Red, 128 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/k9loccw0/mobile/6/8/g/apple-iphone-se-mxv2hn-a-original-i																	
6	APPLE IPH 12	₹30,099	24% off	<img alt=""APPLE iPhone SE (Black, 64 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/k9loccw0/mobile/p/z/q/apple-iphone-se-mxd02hn-a-original-i																	
7	APPLE IPH 12	₹60,199	8% off	<img alt=""APPLE iPhone 12 (Black, 64 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kg8avm80/mobile/r/h/z/apple-iphone-12-dummyapplefsn-a-origi																	
8	APPLE IPH 12	₹49,999	16% off	<img alt=""APPLE iPhone 12 Mini (White, 64 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kg8avm80/mobile/d/g/b/apple-iphone-12-mini-dummya																	
9	APPLE IPH 12	₹49,999	16% off	<img alt=""APPLE iPhone 12 Mini (Blue, 64 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kg8avm80/mobile/r/2/r/apple-iphone-12-mini-dummya																	
10	APPLE 202 1	₹1,31,990	7% off	<img alt=""APPLE 2020 Macbook Pro M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MYD92HN/A"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/khdqnbk0/compi																	
11	APPLE 202 1	₹90,990	2% off	<img alt=""APPLE 2020 Macbook Air M1 - (8 GB/256 GB SSD/Mac OS Big Sur) MGN63HN/A"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kp5sya80/screen																	
12	Apple Air 1	₹11,290	24% off	<img alt=""Apple AirPods with Charging Case Bluetooth Headset with Mic"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kpriwy80/headphone/x/r/e/m																	
13	APPLE MN 1	₹1,900		<img alt=""APPLE MMTN2ZM/A Wired Headset"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/jsm3vrk0/smart-headphone/k/g/n/s6-blues-tooth-neck																	
14	APPLE MH 1	₹1,900		<img alt=""APPLE MHJD3HN/A 20 W 3 A Mobile Charger"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kgqvlw0/battery-charger/d/a/7/apple-mhjd3hn																	
15	Apple IPH 12	₹39,999	16% off	<img alt=""Apple iPhone XR ((PRODUCT)RED, 64 GB) (Includes EarPods, Power Adapter)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/jn7q80/mobile/																	
16	APPLE IPH 12	₹64,999	8% off	<img alt=""APPLE iPhone 12 (Blue, 128 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kg8avm80/mobile/y/7/n/apple-iphone-12-dummyapplefsn-a-origi																	
17	APPLE IPH 12	₹74,900	6% off	<img alt=""APPLE iPhone 13 (Starlight, 128 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/ktketu80/mobile/h/w/1/iphone-13-mlp3hn-a-apple-origi																	
18	APPLE IPH 12	₹74,900	6% off	<img alt=""APPLE iPhone 13 (Midnight, 128 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/ktketu80/mobile/z/r/x/iphone-13-mlp3hn-a-apple-origi																	
19	APPLE IPH 12	₹49,999	16% off	<img alt=""APPLE iPhone 12 Mini (Green, 64 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/kg8avm80/mobile/h/v/w/apple-iphone-12-mini-dummy																	
20	APPLE IPH 12	₹44,999	14% off	<img alt=""APPLE iPhone XR ((PRODUCT)RED, 128 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/jpbi280/mobile-refurbished/c/2/q/iphone-xr-256																	
21	APPLE IPH 12	₹44,999	14% off	<img alt=""APPLE iPhone XR (Yellow, 128 GB)"" class=""_396cs4_3exPp9"" src=""https://rukminim1.flixcart.com/image/312/312/k0lbdk0pkrdj/mobile/y/z/f/apple-iphone-xr-my72hn-a-o																	

Here is the Excel sheet in which we collected the scrapped data. The name of the product, price and Discount are collected. The image is returned in the form of a link.



# Results and Output

```
result.csv x main.py
result.csv
1 Name,Price,Discount,Image
2 "APPLE iPhone SE (White, 128 GB)",₹35,099,21% off,"<img alt=""APPLE iPhone SE (White, 128 GB)"" class=""_396cs4_3exPp9""
3 "APPLE iPhone SE (Black, 128 GB)",₹35,099,21% off,"<img alt=""APPLE iPhone SE (Black, 128 GB)"" class=""_396cs4_3exPp9""
4 "APPLE iPhone 12 Mini (Black, 64 GB)",₹49,999,16% off,"<img alt=""APPLE iPhone 12 Mini (Black, 64 GB)"" class=""_396cs4_
5 "APPLE iPhone SE (Red, 64 GB)",₹30,099,24% off,"<img alt=""APPLE iPhone SE (Red, 64 GB)"" class=""_396cs4_3exPp9"" src=""
6 "APPLE iPhone SE (White, 64 GB)",₹30,099,24% off,"<img alt=""APPLE iPhone SE (White, 64 GB)"" class=""_396cs4_3exPp9"" s
7 "APPLE iPhone SE (Black, 64 GB)",₹30,099,24% off,"<img alt=""APPLE iPhone SE (Black, 64 GB)"" class=""_396cs4_3exPp9"" s
8 "APPLE iPhone SE (Red, 128 GB)",₹35,099,21% off,"<img alt=""APPLE iPhone SE (Red, 128 GB)"" class=""_396cs4_3exPp9"" src
9 "APPLE iPhone 12 (Black, 64 GB)",₹60,199,8% off,"<img alt=""APPLE iPhone 12 (Black, 64 GB)"" class=""_396cs4_3exPp9"" sr
10 APPLE 2020 Macbook Pro M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MYDC2HN/A,"₹1,31,990",7% off,"<img alt=""APPLE 2020 Macbook Pr
11 APPLE 2020 Macbook Pro M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MYD92HN/A,"₹1,31,990",7% off,"<img alt=""APPLE 2020 Macbook Pr
12 APPLE MMTN2ZM/A Wired Headset,"₹1,799",5% off,"<img alt=""APPLE MMTN2ZM/A Wired Headset"" class=""_396cs4_3exPp9"" src=""h
13 Apple AirPods with Charging Case Bluetooth Headset with Mic,"₹12,499",16% off,"<img alt=""Apple AirPods with Charging Case
14 APPLE MHJD3HN/A 20 W 3 A Mobile Charger,"₹1,900",,"<img alt=""APPLE MHJD3HN/A 20 W 3 A Mobile Charger"" class=""_396cs4_3e
15 "APPLE iPhone 12 Mini (White, 64 GB)",₹49,999,16% off,"<img alt=""APPLE iPhone 12 Mini (White, 64 GB)"" class=""_396cs4_
16 "APPLE iPhone 12 Mini (Blue, 64 GB)",₹49,999,16% off,"<img alt=""APPLE iPhone 12 Mini (Blue, 64 GB)"" class=""_396cs4_3e
17 "APPLE iPhone 12 (Blue, 128 GB)",₹64,999,8% off,"<img alt=""APPLE iPhone 12 (Blue, 128 GB)"" class=""_396cs4_3exPp9"" sr
18 "APPLE iPhone 13 (Pink, 128 GB)",₹74,900,6% off,"<img alt=""APPLE iPhone 13 (Pink, 128 GB)"" class=""_396cs4_3exPp9"" sr
19 "APPLE iPhone 13 (Starlight, 128 GB)",₹74,900,6% off,"<img alt=""APPLE iPhone 13 (Starlight, 128 GB)"" class=""_396cs4_3
20 "APPLE iPhone 13 (Midnight, 128 GB)",₹74,900,6% off,"<img alt=""APPLE iPhone 13 (Midnight, 128 GB)"" class=""_396cs4_3ex
21 "APPLE iPhone XR ((PRODUCT)RED, 128 GB)",₹44,999,14% off,"<img alt=""APPLE iPhone XR ((PRODUCT)RED, 128 GB)"" class=""_39
22 "APPLE iPhone XR (Yellow, 128 GB)",₹44,999,14% off,"<img alt=""APPLE iPhone XR (Yellow, 128 GB)"" class=""_396cs4_3exPp9
23 APPLE 2020 Macbook Air M1 - (8 GB/256 GB SSD/Mac OS Big Sur) MGN63HN/A,"₹90,990",2% off,"<img alt=""APPLE 2020 Macbook Air
24 APPLE 2020 Macbook Pro M1 - (8 GB/256 GB SSD/Mac OS Big Sur) MYD82HN/A,"₹1,12,990",8% off,"<img alt=""APPLE 2020 Macbook Pr

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
PS C:\Users\LENOVO\Downloads\19BCE2555> python main.py
Scraping Data done...
Successfully Dumped at result.csv
PS C:\Users\LENOVO\Downloads\19BCE2555> []
```

Here is the list of data that is being scrapped from the website and dumped into result.csv file and which is formed in the folder of the code after running the code using beautifulsoup.

1	Name	Price	Discount	Image
2	APPLE iPh â, '49,999	16% off		<img alt=""APPLE iPhone 12 Mini (Black, 64 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/kg8avm80/
3	APPLE iPh â, '30,099	24% off		<img alt=""APPLE iPhone SE (Red, 64 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/k9loccw0/m
4	APPLE iPh â, '30,099	24% off		<img alt=""APPLE iPhone SE (White, 64 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/k9loccw0/
5	APPLE iPh â, '35,099	21% off		<img alt=""APPLE iPhone SE (Red, 128 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/k9loccw0/n
6	APPLE iPh â, '30,099	24% off		<img alt=""APPLE iPhone SE (Black, 64 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/k9loccw0/n
7	APPLE iPh â, '60,199	8% off		<img alt=""APPLE iPhone 12 (Black, 64 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/kg8avm80/
8	APPLE iPh â, '49,999	16% off		<img alt=""APPLE iPhone 12 Mini (White, 64 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/kg8av
9	APPLE iPh â, '49,999	16% off		<img alt=""APPLE iPhone 12 Mini (Blue, 64 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/kg8avr
10	APPLE 202 â, '1,31,990	7% off		<img alt=""APPLE 2020 Macbook Pro M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MYDC2HN/A" class=""_396cs4_3exPp9" src="https://rukmi
11	APPLE 202 â, '1,31,990	7% off		<img alt=""APPLE 2020 Macbook Pro M1 - (8 GB/512 GB SSD/Mac OS Big Sur) MYD92HN/A" class=""_396cs4_3exPp9" src="https://rukmi
12	APPLE 202 â, '90,990	2% off		<img alt=""APPLE 2020 Macbook Air M1 - (8 GB/256 GB SSD/Mac OS Big Sur) MGN63HN/A" class=""_396cs4_3exPp9" src="https://rukmi
13	Apple Airi â, '11,290	24% off		<img alt=""Apple AirPods with Charging Case Bluetooth Headset with Mic" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.c
14	APPLE MN â, '1,900			<img alt=""APPLE MNHF2ZM/A Wired Headset" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/jsm3vr
15	APPLE MH â, '1,900			<img alt=""APPLE MHJD3HN/A 20 W 3 A Mobile Charger" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312
16	APPLE iPh â, '39,999	16% off		<img alt=""Apple iPhone XR ((PRODUCT)RED, 64 GB) (Includes EarPods, Power Adapter)" class=""_396cs4_3exPp9" src="https://rukmi
17	APPLE iPh â, '64,999	8% off		<img alt=""APPLE iPhone 12 (Blue, 128 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/kg8avm80/
18	APPLE iPh â, '74,900	6% off		<img alt=""APPLE iPhone 13 (Starlight, 128 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/ktketu
19	APPLE iPh â, '74,900	6% off		<img alt=""APPLE iPhone 13 (Pink, 128 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/ktketu80/n
20	APPLE iPh â, '74,900	6% off		<img alt=""APPLE iPhone 13 (Midnight, 128 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/ktketu
21	APPLE iPh â, '49,999	16% off		<img alt=""APPLE iPhone 12 Mini (Green, 64 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/kg8av
22	APPLE iPh â, '44,999	14% off		<img alt=""APPLE iPhone XR ((PRODUCT)RED, 128 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/
23	APPLE iPh â, '44,999	14% off		<img alt=""APPLE iPhone XR (Yellow, 128 GB)" class=""_396cs4_3exPp9" src="https://rukminim1.flixcart.com/image/312/312/k0lbdzki

This is the view of Excel file in which the data is being stored.