

In [1]:

```
from bs4 import BeautifulSoup as soup
from urllib.request import urlopen as reg
url = 'https://www.flipkart.com/gaming-laptops-store?otracker=nmenu_sub_Electronics_0_Gaming%20Laptops&otracker=nmenu_sub_Electronics_0_Gaming%20Laptops'
```

In [6]:

```
uClient = reg(url)
html_page = uClient.read()
uClient.close()
page_soup = soup(html_page, "html.parser")
containers = page_soup.findAll("div" , {"class", "_2kSfQ4"})
number_of_laptops = len(containers)
i = 0
DataSet = []
while(i<number_of_laptops):
    data ={}
    container = containers[i]
    data['Name'] = container.div.img['alt']
    data['Current_price'] = container.find(class="_1vC4OE").get_text(strip=True)
    try:
        data['Original_price'] = container.find(class="_3auQ3N").get_text(strip=True)
    except AttributeError:
        data['Original_price']=None
    try:
        data['Discount'] = container.find(class="VGWI6T").get_text(strip=True)
    except AttributeError:
        data['Discount']=None
    try:
        data['Rating'] =container.find(class="hGSR34").get_text(strip=True)
    except AttributeError:
        data['Rating'] = None

    DataSet.append(data)
    i = i + 1
```

In [7]:

```
import pandas as pd
dataframe = pd.DataFrame(DataSet)
col_names = ["Name", "Original_price", "Current_price", "Discount", "Rating"]
dataframe = dataframe.reindex(columns=col_names)
dataframe
```

Out[7]:

	Name	Original_price	Current_price	Discount	Rating
0	Asus TUF Core i5 8th Gen - (8 GB/1 TB HDD/128 ...	₹77,990	₹64,990	16% off	4.5
1	MSI GS Core i7 8th Gen - (16 GB/512 GB SSD/Win...	None	₹1,69,990	None	4.2
2	Asus FX553 Core i7 7th Gen - (8 GB/1 TB HDD/Wi...	₹80,990	₹70,990	12% off	4.4
3	MSI GP Core i7 8th Gen - (16 GB/1 TB HDD/256 G...	₹1,34,990	₹1,19,990	11% off	4.4
4	Asus ROG Strix Edition Core i7 7th Gen - (16 G...	None	₹1,39,990	None	5
5	Asus TUF Core i5 8th Gen - (8 GB/1 TB HDD/Wind...	₹74,990	₹61,990	17% off	4.4
6	Acer Predator Helios 300 Core i5 8th Gen - (8 ...	₹94,799	₹66,990	29% off	4.2
7	Acer Nitro 5 Core i7 7th Gen - (8 GB/1 TB HDD/...	₹78,990	₹69,990	11% off	4.3
8	Acer Predator Helios 300 Core i7 8th Gen - (8 ...	₹1,19,649	₹76,990	35% off	4.7
9	Acer Predator Helios 300 Core i7 8th Gen - (8 ...	None	₹1,27,999	None	4.5
10	Acer Predator 15 Core i7 7th Gen - (16 GB/1 TB...	None	₹1,59,703	None	None
11	Acer Nitro 5 Core i5 7th Gen - (8 GB/1 TB HDD/...	₹68,990	₹62,990	8% off	4.5
12	MSI GV Series Core i7 7th Gen - (8 GB/1 TB HDD...	₹79,990	₹70,990	11% off	4.6
13	MSI GL Core i7 7th Gen - (8 GB/1 TB HDD/DOS/2 ...	None	₹79,257	None	3.7
14	MSI GV Series Core i7 7th Gen - (8 GB/1 TB HDD...	₹1,04,990	₹99,999	4% off	4.6
15	MSI GV Series Core i7 8th Gen - (16 GB/1 TB HD...	₹1,24,990	₹94,990	24% off	4.5
16	MSI Stealth Core i7 8th Gen - (16 GB/512 GB SS...	None	₹2,09,990	None	None
17	MSI Raider Core i7 8th Gen - (16 GB/1 TB HDD/5...	None	₹1,94,990	None	None
18	Dell Inspiron Core i7 7th Gen - (16 GB/1 TB HD...	None	₹1,04,697	None	4.5
19	Dell 5000 Core i5 7th Gen - (8 GB/1 TB HDD/Win...	₹80,990	₹72,990	9% off	4.4
20	Dell Inspiron Core i7 6th Gen - (8 GB/1 TB HDD...	₹1,15,000	₹86,990	24% off	3.8
21	Dell 5000 Core i7 7th Gen - (8 GB/1 TB HDD/128...	₹87,000	₹86,990	None	4.4
22	Dell G3 15 3000 Series Core i5 8th Gen - (8 GB...	None	₹80,742	None	4
23	Dell Inspiron 7000 Core i5 6th Gen - (8 GB/1 T...	None	₹88,768	None	3
24	Asus TUF Series Core i7 8th Gen - (8 GB/1 TB H...	None	₹89,990	None	4
25	Asus ROG Core i7 6th Gen - (8 GB/1 TB HDD/Wind...	₹84,990	₹79,990	5% off	4.4
26	Asus ROG Strix Scar II Core i7 8th Gen - (16 G...	₹1,67,990	₹1,49,990	10% off	4.9
27	Asus ROG Strix Core i7 8th Gen - (16 GB/1 TB H...	₹1,25,990	₹83,990	33% off	4.7
28	Asus FX Series Core i7 7th Gen - (8 GB/1 TB HD...	₹79,990	₹74,000	7% off	4.6
29	Asus TUF Series Core i5 8th Gen - (8 GB/1 TB H...	₹89,990	₹85,990	4% off	None