Flipkart Web scrapping

AIM: To scrap flipkart and find list of samsung phones, their price and ratings

In [ ]:
```
!pip install bs4 -q
!pip install urllib -q
```

In [ ]:
```
from bs4 import BeautifulSoup as soup
from urllib.request import urlopen as uReq
import pandas as pd
```

In [ ]:
```
from bs4 import BeautifulSoup as soup
from urllib.request import urlopen as uReq

my_url="https://www.flipkart.com/search?q=samsung+mobiles&amp;sid=tyy%2C4io&am

# reading url
uClient = uReq(my_url)
page_html = uClient.read()

# closing connection
uClient.close()

page_soup = soup(page_html, "html.parser")
```

finding all names of mobile

In [ ]:
```
containers = page_soup.findAll("div", { "class": "KzDlHZ"})
print(len(containers))
```

In [ ]:
```
# printing 1st mobile
mobiles=[]
for i in containers:
    a=i.text.strip()
    mobiles.append(a)
```

finding price

In [ ]:
```
price = page_soup.findAll("div", {"class": "Nx9bqj _4b5DiR"})
price
```

In [ ]:
```
prices=[]
for i in price:
    a=i.text
    prices.append(a)
prices
```

finding rating

In [ ]:
```
rating = page_soup.findAll('div',{'class': '_5OesEi'})
```

In [ ]:
```
ratings=[]
for i in rating:
    a=i.text.strip().replace('\xa0', '')
    ratings.append(a)
```

storing in csv file

In [ ]:
```
# creating dataframe
df = pd.DataFrame({'Product Name':mobiles,'Price':prices,'Rating':ratings})
df.to_csv('products.csv', index=False, encoding='utf-8')
```

In [ ]:
```
df
```

In [ ]:
```

```