Web Scrapping

In [1]:
```
import requests
from bs4 import BeautifulSoup
```

Declaring Headers

In [2]:
```
HEADERS = ({'User-Agent':
'Mozilla/5.0 (Windows NT 10.0; Win64; x64) \
AppleWebKit/537.36 (KHTML, like Gecko) \
Chrome/90.0.4430.212 Safari/537.36',
'Accept-Language': 'en-US, en;q=0.5'})
```

In [3]:
```
def getdata(site_url):
    res = requests.get(site_url, headers=HEADERS)
    return res.text
```

Declaring Product URL

In [4]:
```
site_url="https://www.flipkart.com/akr-rocklight-touch-on-off-switch-led-night-tabl
```

Scrapping Data

In [5]:
```
def gethtml(site_url):
    data = getdata(site_url)
    soup = BeautifulSoup(data, 'html.parser')
    return (soup)
```

In [11]:
```
soup = gethtml(site_url)
data = getdata(site_url)
# data
```

Extracting Customer Names

In [12]:
```
def getCustomerName(soup):
 # find the Html tag
 # with find()
 # and convert into string
    data_string = ""
    custumer_list = []

    for item in soup.find_all("p", class_="_2mcZGG"):
```

```
        data_string = data_string + item.get_text()
        custumer_list.append(data_string)
        data_string = ""
    return custumer_list
```

In [13]:
```
customer_res = getCustomerName(soup)
print(customer_res)
```

```
['Certified Buyer, Bhubaneswar', 'Certified Buyer, Nagpur', 'Certified Buyer, Hydera
bad', 'Certified Buyer, Barabanki', 'Certified Buyer, Gwalior', 'Certified Buyer, Pa
nihati', 'Certified Buyer, Begusarai', 'Certified Buyer, Vishakhapatnam', 'Certified
Buyer, Mathura District', 'Certified Buyer, Hamirpur District']
```

Extracting Product Review

In [14]:
```
def getCustomerReview(soup):
    review_string = ""
    review_list = []

    for item in soup.find_all("div", class_="t-ZTKy"):
        review_string = review_string + item.get_text()
        review_list.append(review_string)
        review_string = ""
    return review_list
```

In [15]:
```
customer_rev = getCustomerReview(soup)
print(customer_rev)
```

```
['Ah! Nice product. Good look , slim n hot. Bright n multiple use gives it a five st
ar. Pen stand n phone holder is really a great invention to club with this lamp. Act
ually it saves a lot of space n screen stability issues.READ MORE', "Fantastic...! W
onderful...! I not only like the lamp but also loved it... It has the vry powerful a
nd sensetive touches... It's best feature is that it is 360°Routatable...and it has
3 lights at the top face and 1 at the bottom... So i would refer you all you can cho
ose this lamp for ur study or office work... I gave it 5 stars and hope u too give i
t... Thanks to flipkart for safe and salecure delivery...READ MORE", 'Very bright. A
s it charges with cable no worry about changing cells. 3 levels of brightening optio
n. Affordable. Value for money. RecommendedREAD MORE', 'Good one 💯READ MORE', 'Nice
lighting  with touch button technologyREAD MORE', 'The product is simply good. Works
in every way that is mentioned in the product description. So to me, it deserves 5 s
tar. If you like it, go for it!READ MORE', 'Product is very wellREAD MORE', 'Ok okRE
AD MORE', 'Battery backup less than 30 minutes..not recommend anyone to purchase thi
s..READ MORE', 'The best thing that I have bought onlineREAD MORE']
```

Extracting Product Rating

In [16]:
```
def getCustomerRating(soup):
    rating_string = ""
    rating_list = []

    for item in soup.find_all("div", class_="_3LWZlK _1BLPMq"):
        rating_string = rating_string + item.get_text()
```

```
        rating_list.append(rating_string)

        rating_string = ""


    return rating_list
```

In [17]:
```
customer_rat = getCustomerRating(soup)
print(customer_rat)
```

```
['5', '5', '5', '5', '5', '5', '4', '4', '5']
```