In [1]:

```
1  !pip install autoscraper
```

```
Collecting autoscraper
  Downloading autoscraper-1.1.12-py3-none-any.whl (10 kB)
Collecting bs4
  Downloading bs4-0.0.1.tar.gz (1.1 kB)
Requirement already satisfied: requests in c:\users\subhayan\anaconda3\lib\s
ite-packages (from autoscraper) (2.25.1)
Requirement already satisfied: lxml in c:\users\subhayan\anaconda3\lib\site-
packages (from autoscraper) (4.6.3)
Requirement already satisfied: beautifulsoup4 in c:\users\subhayan\anaconda3
\lib\site-packages (from bs4->autoscraper) (4.9.3)
Requirement already satisfied: soupsieve>1.2 in c:\users\subhayan\anaconda3
\lib\site-packages (from beautifulsoup4->bs4->autoscraper) (2.2.1)
Requirement already satisfied: idna<3,>=2.5 in c:\users\subhayan\anaconda3\l
ib\site-packages (from requests->autoscraper) (2.10)
Requirement already satisfied: chardet<5,>=3.0.2 in c:\users\subhayan\anacon
da3\lib\site-packages (from requests->autoscraper) (4.0.0)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\subhayan\anaco
nda3\lib\site-packages (from requests->autoscraper) (2020.12.5)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\subhayan\an
aconda3\lib\site-packages (from requests->autoscraper) (1.26.4)
Building wheels for collected packages: bs4
  Building wheel for bs4 (setup.py): started
  Building wheel for bs4 (setup.py): finished with status 'done'
  Created wheel for bs4: filename=bs4-0.0.1-py3-none-any.whl size=1273 sha25
6=7ec1692f50c2fe7d65845ed49aae44d5ed16e76fed1e9ac64dff37f8e0d2fbbc
  Stored in directory: c:\users\subhayan\appdata\local\pip\cache\wheels\75\7
8\21\68b124549c9bdc94f822c02fb9aa3578a669843f9767776bca
Successfully built bs4
Installing collected packages: bs4, autoscraper
Successfully installed autoscraper-1.1.12 bs4-0.0.1
```

By:- subhayan mukherjee

In [2]:

```
1  from autoscraper import AutoScraper
```

In [5]:

```
1  amazon_url="https://www.amazon.in/s?k=iphones"
2
3  wanted_list=["₹46,999","Apple iPhone 11 (64GB) - Green"]
```

In [6]:

```python
scraper=AutoScraper()
result=scraper.build(amazon_url,wanted_list)
print(result)
```

['₹59,900', '₹70,900', '₹74,900', '₹79,900', '₹46,999', '₹49,900', '₹54,90
0', '₹60,900', '₹69,900', '₹1,19,900', '₹64,999', '₹42,999', '₹52,900', '₹5
5,900', '₹65,900', '₹56,990', 'Apple iPhone 12 (128GB) - Blue', 'Apple iPhon
e 13 (128GB) - Midnight', 'Apple iPhone 11 (64GB) - White', 'Apple iPhone 11
(64GB) - Black', 'Apple iPhone 11 (128GB) - Black', 'Apple iPhone 11 (128GB)
- White', 'Apple iPhone 11 (128GB) - Purple', 'Apple iPhone 12 (128GB) - Bla
ck', 'Apple iPhone 13 Pro (128GB) - Sierra Blue', 'Apple iPhone 13 Mini (128
GB) - Pink', 'Apple iPhone XR (128GB) - (Product) RED', 'Apple iPhone 13 (12
8GB) - Blue', 'Apple iPhone 11 (64GB) - Green', 'Apple iPhone 12 (64GB) - Bl
ack', 'Apple iPhone 12 (64GB) - Green', 'Apple iPhone 12 (64GB) - White', 'A
pple iPhone XR (128GB) - Coral']

In [7]:

```
1  scraper.get_result_similar(amazon_url,grouped=True)
```

Out[7]:

```
{'rule_f6is': ['₹59,900',
  '₹70,900',
  '₹74,900',
  '₹79,900',
  '₹46,999',
  '₹49,900',
  '₹46,999',
  '₹49,900',
  '₹49,900',
  '₹54,900',
  '₹49,900',
  '₹54,900',
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  '₹69,900',
  '₹1,19,900',
  '₹64,999',
  '₹69,900',
  '₹42,999',
  '₹52,900',
  '₹74,900',
  '₹79,900',
  '₹46,999',
  '₹49,900',
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  '₹79,900',
  '₹54,900',
  '₹65,900'],
 'rule_2h7q': ['₹59,900',
  '₹70,900',
  '₹74,900',
  '₹79,900',
  '₹46,999',
  '₹49,900',
  '₹46,999',
  '₹49,900',
  '₹49,900',
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  '₹49,900',
  '₹54,900',
  '₹60,900',
  '₹69,900',
  '₹1,19,900',
  '₹64,999',
  '₹69,900',
  '₹42,999',
  '₹52,900',
  '₹74,900',
  '₹79,900',
  '₹46,999',
```

```
                 '₹49,900',
                 '₹55,900',
                 '₹65,900',
                 '₹56,990',
                 '₹79,900',
                 '₹54,900',
                 '₹65,900'],
      'rule_y906': ['₹59,900',
                 '₹70,900',
                 '₹74,900',
                 '₹79,900',
                 '₹46,999',
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                 '₹60,900',
                 '₹69,900',
                 '₹1,19,900',
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                 '₹49,900',
                 '₹55,900',
                 '₹65,900',
                 '₹56,990',
                 '₹79,900',
                 '₹54,900',
                 '₹65,900'],
      'rule_fkk8': ['₹59,900',
                 '₹70,900',
                 '₹74,900',
                 '₹79,900',
                 '₹46,999',
                 '₹49,900',
                 '₹46,999',
                 '₹49,900',
                 '₹49,900',
                 '₹54,900',
                 '₹49,900',
                 '₹54,900',
                 '₹49,900',
                 '₹54,900',
                 '₹60,900',
                 '₹69,900',
                 '₹1,19,900',
                 '₹64,999',
                 '₹69,900',
                 '₹42,999',
                 '₹52,900',
                 '₹74,900',
                 '₹79,900',
```

```
            '₹46,999',
            '₹49,900',
            '₹55,900',
            '₹65,900',
            '₹56,990',
            '₹79,900',
            '₹54,900',
            '₹65,900'],
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            '₹74,900',
            '₹79,900',
            '₹46,999',
            '₹49,900',
            '₹46,999',
            '₹49,900',
            '₹49,900',
            '₹54,900',
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            '₹54,900',
            '₹49,900',
            '₹54,900',
            '₹60,900',
            '₹69,900',
            '₹1,19,900',
            '₹64,999',
            '₹69,900',
            '₹42,999',
            '₹52,900',
            '₹74,900',
            '₹79,900',
            '₹46,999',
            '₹49,900',
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            '₹49,900',
            '₹49,900',
            '₹54,900',
            '₹49,900',
            '₹54,900',
            '₹49,900',
            '₹54,900',
            '₹60,900',
            '₹69,900',
            '₹1,19,900',
            '₹64,999',
            '₹69,900',
            '₹42,999',
            '₹52,900',
            '₹74,900',
```

```
          '₹79,900',
          '₹46,999',
          '₹49,900',
          '₹55,900',
          '₹65,900',
          '₹56,990',
          '₹79,900',
          '₹54,900',
          '₹65,900'],
         'rule_1iki': ['₹46,999', '₹49,900', '₹42,999', '₹52,900'],
         'rule_fwfv': ['₹46,999', '₹49,900', '₹42,999', '₹52,900'],
         'rule_ao6r': ['Apple iPhone 12 (128GB) - Blue',
          'Apple iPhone 13 (128GB) - Midnight',
          'Apple iPhone 11 (64GB) - White',
          'Apple iPhone 11 (64GB) - Black',
          'Apple iPhone 11 (128GB) - Black',
          'Apple iPhone 11 (128GB) - White',
          'Apple iPhone 11 (128GB) - Purple',
          'Apple iPhone 12 (128GB) - Black',
          'Apple iPhone 13 Pro (128GB) - Sierra Blue',
          'Apple iPhone 13 Mini (128GB) - Pink',
          'Apple iPhone XR (128GB) - (Product) RED',
          'Apple iPhone 13 (128GB) - Blue',
          'Apple iPhone 11 (64GB) - Green',
          'Apple iPhone 12 (64GB) - Black',
          'Apple iPhone 12 (64GB) - Green',
          'Apple iPhone 12 (64GB) - White'],
         'rule_w1hc': ['Apple iPhone 12 (128GB) - Blue',
          'Apple iPhone 13 (128GB) - Midnight',
          'Apple iPhone 11 (64GB) - White',
          'Apple iPhone 11 (64GB) - Black',
          'Apple iPhone 11 (128GB) - Black',
          'Apple iPhone 11 (128GB) - White',
          'Apple iPhone 11 (128GB) - Purple',
          'Apple iPhone 12 (128GB) - Black',
          'Apple iPhone 13 Pro (128GB) - Sierra Blue',
          'Apple iPhone 13 Mini (128GB) - Pink',
          'Apple iPhone XR (128GB) - (Product) RED',
          'Apple iPhone 13 (128GB) - Blue',
          'Apple iPhone 11 (64GB) - Green',
          'Apple iPhone 12 (64GB) - Black',
          'Apple iPhone 12 (64GB) - Green',
          'Apple iPhone 12 (64GB) - White'],
         'rule_o4qj': ['Apple iPhone 11 (64GB) - Green',
          'Apple iPhone XR (128GB) - Coral']}
```

In [8]:

```
1  scraper.set_rule_aliases({'rule_ao6r':'Title','rule_f6is':'Price'})
2  scraper.keep_rules(['rule_ao6r','rule_f6is'])
3  scraper.save('amazon-search')
```

In [9]:

```
1  results=scraper.get_result_similar('https://www.amazon.in/s?k=mi+phones+under+15000',gr
```

In [10]:

```
1  results
```

Out[10]:

```
{'Price': ['₹13,490',
  '₹17,999',
  '₹12,998',
  '₹17,499',
  '₹13,490',
  '₹13,999',
  '₹11,400',
  '₹14,999',
  '₹13,490',
  '₹13,999',
  '₹10,847',
  '₹12,998',
  '₹9,050',
  '₹9,999',
  '₹11,999',
  '₹16,999',
  '₹12,300',
  '₹16,999',
  '₹8,900',
  '₹13,999',
  '₹13,990',
  '₹16,999',
  '₹13,999',
  '₹17,999',
  '₹12,999',
  '₹16,999',
  '₹8,999',
  '₹9,998',
  '₹7,988',
  '₹11,190',
  '₹9,299',
  '₹12,999'],
 'Title': ['MI Poco M2 Pro (Green and Greener, 6GB RAM, 64GB Storage)',
  'MI Xiaomi Mi A2 (Black, 4GB RAM, 64GB Storage)',
  'Mi Redmi -Note 7S (Onyx Black, 64GB, 4GB RAM)',
  'MI Redmi Note 5 Pro (Gold, 4GB RAM, 64GB Storage)',
  'Mi Redmi -Note 7S (Sapphire Blue, 64GB, 4GB RAM)',
  '(Renewed) Mi A2 (Black, 4GB RAM, 64GB Storage)',
  'MI REDMI 9i Sport (Coral Green, 64 GB) (4 GB RAM)',
  '(Renewed) MI Poco M2 Pro (Out of The Blue, 4GB RAM, 64GB Storage)',
  'MI Redmi Note 5 Pro (Gold, 6GB RAM, 64GB Storage)',
  '(Renewed) Redmi 6 Pro (Red, 4GB RAM, 64GB Storage)',
  'MI Poco M2 Pro (Green and Greener, 4GB RAM, 64GB Storage)',
  '(Renewed) MI Poco M2 Pro (Two Shades of Black, 6GB RAM, 64GB Storage)',
  '(Renewed) MI Poco M2 Pro (Two Shades of Black, 4GB RAM, 64GB Internal Sto
rage)',
  '(Renewed) Xiaomi Redmi Note 4 (Black, 64GB)',
  '(Renewed) Redmi 6 Pro (Blue, 3GB RAM, 32GB Storage)',
  '(Renewed) Mi Redmi 8 Phone (Sapphire Blue, 4GB RAM, 64GB Storage)']}
```

In [ ]:

```
1
```