```
from bs4 import BeautifulSoup
import requests

url=requests.get("https://www.flipkart.com/search?q=mobiles&otracker=search&otracker1=search&marketplace=FLIPKART&as-show=off&as=off")
url
```

```
<Response [200]>
```

```
sp=BeautifulSoup(url.content)
sp.prettify
```

```
alldata=sp.find_all("div",class_="_1AtVbE col-12-12")
alldata
len(alldata)
```

```
30
```

```
name=sp.find_all("div",class_="_4rR01T")
len(name)
Mobile=[]
for i in name:
  Mobile.append(i.text)
Mobile
```

```
rating=sp.find_all("div",class_="gUuXy-")
len(rating)
Rating=[]
for i in rating:
  Rating.append(i.text)
len(Rating)
```

```
24
```

```
description=sp.find_all("div",class_="fMghEO")
len(description)
Description=[]
for i in description:
  Description.append(i.text)
len(Description)
```

```
24
```

```
import pandas as pd
df=pd.DataFrame({})

df["MOBILE_NAME"]=Mobile
df["RATINGS"]=Rating
df["DESCRIPTION"]=Description
df
```

```
# PROJECT ITVEDANT
```

```
from bs4 import BeautifulSoup
import requests

url=requests.get("https://www.worldometers.info/world-population/population-by-country/")
url
```

```
<Response [200]>
```

```
data=BeautifulSoup(url.content)
data
```

```
Table=data.find_all("td")
len(Table)
```

```
2820
```

```
list=[]
for i in Table:
  list.append(i.text)
list
```

```
      '-4,000',
      '2.2',
      '33',
      '70 %',
      '0.15 %',
      '80',
      'Bolivia',
      '11,673,021',
      '1.39 %',
      '159,921',
      '11',
      '1,083,300',
      '-9,504',
      '2.8',
      '26',
      '69 %',
      '0.15 %',
      '81',
      'Belgium',
      '11,589,623',
      '0.44 %',
      '50,295',
      '383',
      '30,280',
      '48,000',
      '1.7',
      '42',
      '98 %',
      '0.15 %',
      '82',
      'Haiti',
      '11,402,528',
      '1.24 %',
      '139,451',
      '414',
      '27,560',
      '-35,000',
      '3.0',
      '24',
      '57 %',
      '0.15 %',
      '83',
      'Cuba',
      '11,326,616',
      '-0.06 %',
      '-6,867',
      '106',
      '106,440',
      '-14,400',
      '1.6',
      '42',
      '78 %',
      '0.15 %',
      '84',
      'South Sudan',
      '11,193,725',
      '1.19 %',
      ...]


List1=list[0:len(list):12]
len(List1)

List2=list[1:len(list):12]
len(List2)

List3=list[2:len(list):12]
len(List3)

List4=list[3:len(list):12]
len(List4)

List5=list[4:len(list):12]
len(List5)


List6=list[5:len(list):12]
len(List6)

List7=list[6:len(list):12]
len(List7)

List8=list[7:len(list):12]
len(List8)

List9=list[8:len(list):12]
len(List9)

List10=list[9:len(list):12]
len(List10)

List11=list[10:len(list):12]
len(List11)
```

```
List12=list[11:len(list):12]
len(List12)
```

```
235
```

```
import pandas as pd

df=pd.DataFrame({})

df["SR.NO"]=List1
df["COUNTRY DEPENDENCY"]=List2
df["POPULATION 2020"]=List3
df["YEARLY CHANGE"]=List4
df["NET CHANGE"]=List5
df["DENSITY"]=List6
df["LAND AREA"]=List7
df["MIGRANTS"]=List8
df["FERT RATE"]=List9
df["MED AGE"]=List10
df["URBAN POP"]=List11
df["WORLD SHARE"]=List12
df
```

	SR.NO	COUNTRY DEPENDENCY	POPULATION 2020	YEARLY CHANGE	NET CHANGE	DENSITY	LAND AREA	MIGRANTS	FERT RATE	MED AGE	URBAN POP
0	1	China	1,439,323,776	0.39 %	5,540,090	153	9,388,211	-348,399	1.7	38	61 %
1	2	India	1,380,004,385	0.99 %	13,586,631	464	2,973,190	-532,687	2.2	28	35 %
2	3	United States	331,002,651	0.59 %	1,937,734	36	9,147,420	954,806	1.8	38	83 %
3	4	Indonesia	273,523,615	1.07 %	2,898,047	151	1,811,570	-98,955	2.3	30	56 %
4	5	Pakistan	220,892,340	2.00 %	4,327,022	287	770,880	-233,379	3.6	23	35 %
...	...	...	...	...	...	...	...	...	...	...	...
230	231	Montserrat	4,992	0.06 %	3	50	100		N.A.	N.A.	10 %
231	232	Falkland Islands	3,480	3.05 %	103	0	12,170		N.A.	N.A.	66 %

```
df.to_csv("file1.csv")
```

```
pip install pymysql
```

```
Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Collecting pymysql
  Downloading PyMySQL-1.0.2-py3-none-any.whl (43 kB)
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 43.8/43.8 KB 2.1 MB/s eta 0:00:00
Installing collected packages: pymysql
Successfully installed pymysql-1.0.2
```

```
import pymysql as con1
```

```
import pymysql as con1
cn=con1.connect(host="localhost",user="root",database="itvedant",password="")
print("connection successful")
```

```
import pymysql as con1
from bs4 import BeautifulSoup
import requests


url=requests.get("https://www.worldometers.info/world-population/population-by-country/")
print(url)

data=BeautifulSoup(url.content)
#data

Table=data.find_all("td")
len(Table)

list=[]
for i in Table:
  list.append(i.text)
list

List1=list[0:len(list):12]
len(List1)

List2=list[1:len(list):12]
len(List2)

List3=list[2:len(list):12]
len(List3)

List4=list[3:len(list):12]
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len(List7)

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List9=list[8:len(list):12]
len(List9)

List10=list[9:len(list):12]
len(List10)

List11=list[10:len(list):12]
len(List11)

List12=list[11:len(list):12]
len(List12)

import pandas as pd

df=pd.DataFrame({})

df["SR.NO"]=List1
df["COUNTRY DEPENDENCY"]=List2
df["POPULATION 2020"]=List3
df["YEARLY CHANGE"]=List4
df["NET CHANGE"]=List5
df["DENSITY"]=List6
df["LAND AREA"]=List7
df["MIGRANTS"]=List8
df["FERT RATE"]=List9
df["MED AGE"]=List10
df["URBAN POP"]=List11
df["WORLD SHARE"]=List12
#print(df)
#df.to_csv("file1.csv")

cn=con1.connect(host="localhost",user="root",database="it_vedant",password="")
print("connection successful")

mycursor=cn.cursor()
for i in range(len(List1)):
    mycursor.execute("""insert into population values("%s","%s","%s","%s","%s","%s","%s","%s","%s","%s","%s","%s")"""%(List1[i],List2[i],List3[i],
    List4[i],List5[i],List6[i],List7[i],List8[i],List9[i],List10[i],List11[i],List12[i]))
    cn.commit()

print("Data inserted successfully")
```