Bahria University

Karachi Campus



LAB EXPERIMENT NO.

07

LIST OF TASKS

|  |  |
| --- | --- |
| **TASK NO** | **OBJECTIVE** |
| 1 | Scarp pakwheel data from different pages of website and write it on csv file |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Submitted On:

**29-12-2023**

(Date: DD/MM/YY)

**Task # 01:**

**Solution:**

**CODE:**

**Army-auctionjeep category:**

r = requests.get('https://www.pakwheels.com/used-cars/army-auction-jeep/430586')

html = r.text

soup = BeautifulSoup(html, "html.parser")

divs = soup.find\_all("ul",{"list-unstyled search-vehicle-info fs13"})

car\_detail = soup.find\_all("ul",{"class":"list-unstyled search-vehicle-info-2 fs13"})

divsd = soup.find\_all("a",{"class":"car-name ad-detail-path"})

divsd

key = "car name"

key0 = "category"

key1 = "city "

key2 = "make year"

key3= " total km"

key4 = "engine type"

key5 = "engine\_cc"

list\_of\_dicts\_armyacution = []

f = 0;

for i in divsd:

detail = i.text

detail = detail.strip("\n ")

detailed = detail.split()

detailed.pop()

detailed.pop()

detail = ' '.join(detailed)

# dictionary = {key: detail}

details = divs[f].text

details = details.strip("\n ")

further\_detail = car\_detail[f].text

further\_detail = further\_detail.strip("\n")

further\_details = further\_detail.split()

year = further\_details[0]

km = further\_details[1]

engine = further\_details[3]

e\_type = further\_details[4]

dictionary = {key: detail,key0:"army-auction-jeep",key1:details,key2: year,key3:km,key4: engine,key5:e\_type}

list\_of\_dicts\_armyacution.append(dictionary)

f +=1;

for i in list\_of\_dicts\_armyacution:

print(i)

**automatic cars category:**

r = requests.get('https://www.pakwheels.com/used-cars/automatic/57336')

html = r.text

soup = BeautifulSoup(html, "html.parser")

divs = soup.find\_all("ul",{"list-unstyled search-vehicle-info fs13"})

car\_detail = soup.find\_all("ul",{"class":"list-unstyled search-vehicle-info-2 fs13"})

divsd = soup.find\_all("a",{"class":"car-name ad-detail-path"})

divsd

key = "car name"

key0 = "category"

key1 = "city "

key2 = "make year"

key3= " total km"

key4 = "engine type"

key5 = "engine\_cc"

list\_of\_dicts = []

f = 0;

for i in divsd

detail = i.text

detail = detail.strip("\n ")

detailed = detail.split()

detailed.pop()

detailed.pop()

detail = ' '.join(detailed)

# dictionary = {key: detail}

details = divs[f].text

details = details.strip("\n ")

further\_detail = car\_detail[f].text

further\_detail = further\_detail.strip("\n")

further\_details = further\_detail.split()

year = further\_details[0]

km = further\_details[1]

engine = further\_details[3]

e\_type = further\_details[4]

dictionary = {key: detail,key0:"automatic cars",key1:details,key2: year,key3:km,key4: engine,key5:e\_type}

list\_of\_dicts.append(dictionary)

f +=1;

for i in list\_of\_dicts:

print(i)

(TOO MUCH OF CODE SO PROVIDING JUST A BASIC LAYOUT OF WORK DONE..)

**Code for merging data and converting to dataframe:**

merged = list\_of\_dicts\_armyacution +list\_of\_dicts\_automatic + list\_of\_dicts\_armyacution2 +list\_of\_dicts\_automatic2+ list\_of\_dicts\_automatic3 + list\_of\_dicts\_automatic4+ list\_of\_dicts\_japanese + list\_of\_dicts\_japanese2+ list\_of\_dicts\_japanese3 + list\_of\_dicts\_japanese4 + list\_of\_dicts\_electric + list\_of\_dicts\_electric2 + list\_of\_dicts\_electric3 + list\_of\_dicts\_electric4 + list\_of\_dicts\_sports + list\_of\_dicts\_sports2 + list\_of\_dicts\_sports3 + list\_of\_dicts\_sports4

len(merged)

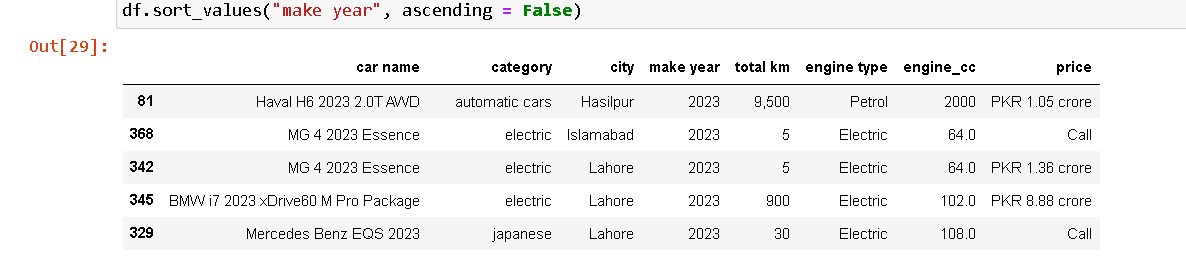
import pandas as pd

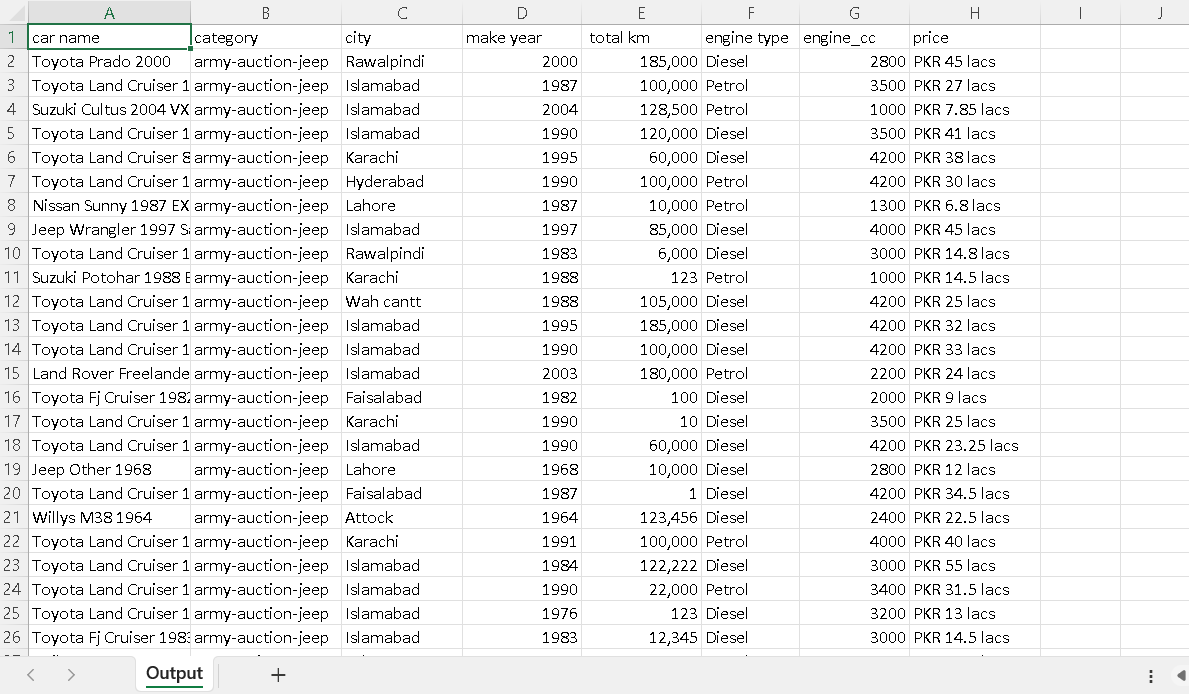
df = pd.DataFrame(merged)

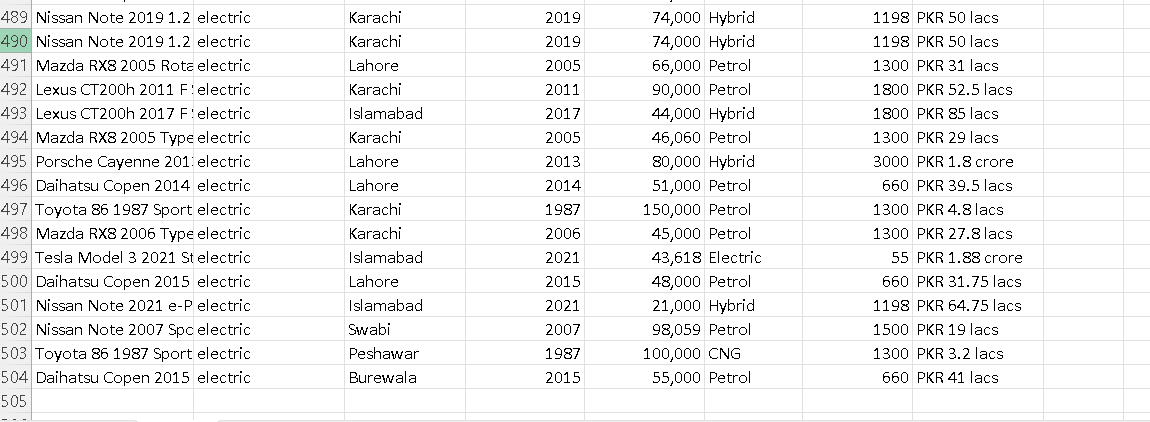
**OUTPUT:**

****

****

****

****

****