

In [1]: `#Task:You have been given a API endpoint https://api.thedogapi.com/v1/breeds create a Pandas dataframe from the given endpont
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#Python Version:3.7
#CAVEATS:None
#LICENSE:None`

In [2]: `#Task
import pandas as pd
import numpy as np
import json
import requests

class ayush_json:
 def check_url(self, url):
 try:
 url = requests.get(url)
 return True
 except:
 return False

 def read_url(self, url):
 url = requests.get(url)
 return url.json()

url = "https://api.thedogapi.com/v1/breeds"
check = []
s = ayush_json()
ans={}
Checking whether url is present or not
if(s.check_url(url)):
 see = s.read_url(url)
 flag = 0
 for i in see:
 #Storing the data which I am getting from the url in Breed1.json
 with open("Breed1.json", "w") as f:
 check.append(i)
 ans
 json.dump(check, f)
else:
 print("URL NOT PRESENT")

df=pd.json_normalize(check)
#Setting the index as id
df.set_index('id',inplace=True)
#Storing the entire data in a csv file
df.to_csv('PandasTask.csv')`

In [3]: `#Reading the csv file to check whether it worked and how my data will look
df=pd.read_csv('PandasTask.csv')
#Displaying the result
df.head()`

Out[3]:

	id	name	bred_for	breed_group	life_span	temperament	origin	reference_image_id	weight.imperial	weight.metric	height.imperial	height.metric	image.id	image.wi
0	1	Affenpinscher	Small rodent hunting, lapdog	Toy	10 - 12 years	Stubborn, Curious, Playful, Adventurous, Activ...	Germany, France	BJa4kxc4X	6 - 13	3 - 6	9 - 11.5	23 - 29	BJa4kxc4X	10
1	2	Afghan Hound	Coursing and hunting	Hound	10 - 13 years	Aloof, Clownish, Dignified, Independent, Happy	Afghanistan, Iran, Pakistan	hMyT4CDXR	50 - 60	23 - 27	25 - 27	64 - 69	hMyT4CDXR	10
2	3	African Hunting Dog	A wild pack animal	NaN	11 years	Wild, Hardworking, Dutiful	NaN	rkiByec47	44 - 66	20 - 30	30	76	rkiByec47	10
3	4	Airedale Terrier	Badger, otter hunting	Terrier	10 - 13 years	Outgoing, Friendly, Alert, Confident, Intellig...	United Kingdom, England	1-7cgoZSh	40 - 65	18 - 29	21 - 23	53 - 58	1-7cgoZSh	10
4	5	Akbash Dog	Sheep guarding	Working	10 - 12 years	Loyal, Independent, Intelligent, Brave	NaN	26pHT3Qk7	90 - 120	41 - 54	28 - 34	71 - 86	26pHT3Qk7	10

In [4]: `#Shape of my dataframe
df.shape`

Out[4]: (172, 19)

In []: