14/04/24

Today’s work

Today at 09.00 we started practicing python for strong basic knowledge

Web Scrapping – Grabbing a title

Previously we learnt about BeautifulSoup lib and did some practical also.

Syntax Match Results

Soup.select(‘div’) All elements with ‘div’ tag

Soup.select(‘#some\_id’) Elements containing id = ‘some\_id’

Soup.select(‘.some\_class’) Elements containing class = ‘some\_class’

Soup.select(‘div span’) Any elements named span within a div element.

Soup.select(‘div>span’) Any elements named span directly within a div element,

With nothing in between.

import requests

import bs4

res = requests.get('https://en.wikipedia.org//wiki//Grace\_Hopper')

soup = bs4.BeautifulSoup(res.text,'lxml')

#print(soup)

print(soup.select('.vector-toc-text'))

I tried many times with different ways but I didn’t get the same output as I expected I I invested half of my day to resolve it but I couldn’t work. SO after lots of efforts, I asked my query on Udemy Q&A. and further proceeded to the topic

Working with images with Python around 2.

In this, we will learn about how to work with images with the pillow lib for this first we have to install pillow lib by pip install pillow command.

Let’s work on it.

from PIL import Image

mac = Image.open("C:\\Users\\Tanujg\\OneDrive\\Desktop\\pasport size.jpg")

print(type(mac))

#mac.show() # here we got image

print(mac.size)

print(mac.filename)

print(mac.format\_description)

output:

<class 'PIL.JpegImagePlugin.JpegImageFile'>

(577, 711)

C:\Users\Tanujg\OneDrive\Desktop\pasport size.jpg

JPEG (ISO 10918)

Now turn to do some operation on the image.

my = Image.open("C:\\Users\\Tanujg\\OneDrive\\Desktop\\Colour pencil.jpg")

#my.show()

#print(my.size)

x = 0

y = 374

#w=474/1

#h=474/7

#my1= my.crop((x,y,w,h))

#my1.show() # here we got only top three pencil in the output

# Now for bottom

w = 474/1

h = 474

my1= my.crop((x,y,w,h))

my1.show()# here we got bottom pencil

# Rotate

my1=my.rotate(90)

my1.show()

# Color Transparency

red = Image.open("C:\\Users\\Tanujg\\OneDrive\\Desktop\\red.jpg")

#red.show()

blue = Image.open("C:\\Users\\Tanujg\\OneDrive\\Desktop\\blue.jpg")

#blue.show()

#blue.putalpha(0)

#blue.putalpha(255)

#blue.putalpha(128)

#blue.show() # here we get almost blank output

#red.putalpha(128)

#red.putalpha(0)

#red.show()

Here I complete working with image with python around 5

Uploaded on git hib account

Total sitting through out the day 2

Total study time through out the day = approx7hr