16/04/24

Today’s work

Today at 01.00 we started practicing Python for strong basic knowledge

Working with pdf files in Python.

PDF stands for Portable Document format.

Note PDFs share the same extension and can be viewed in pdf readers, many pdfs are not machine readable through Python.

Today we use PyPDF4 library.

First we have to install PyPDF4 through command line.

import PyPDF4

f = open('Working\_Business\_Proposal.pdf','rb')# read binary

pdf\_reader = PyPDF4.PdfFileReader(f)

#print(pdf\_reader.numPages)

page\_one = pdf\_reader.getPage(0)

page\_one\_text = page\_one.extractText()

print(page\_one\_text)

f.close()

#first\_page = pdf\_reader.getPage(0)

#pdf\_writer = PyPDF4.PdfFileWriter()

#print(type(first\_page))

#pdf\_writer.addPage(first\_page)

#pdf\_output = open('Some\_BrandNew\_Doc.pdf','wb')

#pdf\_writer.writer(pdf\_output)

#f.close()

#pdf\_output.close()

pdf\_text = []

for num in range(pdf\_reader.numPages):

    page = pdf\_reader.getPage(num)

    pdf\_text.append(page.extractText())

print(pdf\_text[1])# here we got page number 1 text

Here I complete my working with pdf.

Now I start emails with python

In this section we learn about how to send email with the help of python.

For this we need to do some steps

Connection to an email server,

Confirming Connection.

Setting a protocol.

Logging on.

At the last sending the message.

For sending e mail through python we have to use the python built-in smtplib library.

Provider SMPT server domain name

Gmail(will need app password) smtp.gmail.com

Yahoo mail smtp.mail.yahoo.com

Outlook.com/Hotmail.com smtp-mail.outlook.com

AT&T smpt-mail.att.net(Use port 465)

Verizon smpt.verizon.net(Use port 465)

Comcast smpt.comcast.net

Each major email provider has their own SMTP(Simple Mail Transfer Protocol) Server.

Mentioned the list above.

As I am a gmail user, I need to generate an app password instead of my normal password.

Let’s gmail know that the Python script trying to access my account is authorized by me.

Lets do this.

1 step:

import smtplib

smtp\_object = smtplib.SMTP('smtp.gmail.com',587)

#print(smtp\_object.ehlo())

#print(smtp\_object.starttls())

#tpassword = input('What is your password: ')

import getpass

password = getpass.getpass('Password please:') # secured way to pass the imfo

2 step: step verification

As I already done my 2 step verification.

After that I generate my password that is **tzkt eqhi giko wawx**

After this I was stuck because

when I run this code in vscode

import smtplib

smtp\_object = smtplib.SMTP('smtp.gmail.com',587)

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#print(smtp\_object.starttls())

#tpassword = input('What is your password: ')

import getpass

#password = getpass.getpass('Password please:') # secured way to pass the imfo

email = input("Email: ")

password = input('Password: ')

smtp\_object.login(email,password)

I was not able to write my g mail account and password as input.

But if I wrote all this in my jupyter note book it worked easily.

Around 3:30 vandana sent me google meet link to procced step of i:20

Around 5:30 we close the meet because Vandana had a busy schedule ahead.

After that I again start work on it to resolve the error how I not able to input my email and password.

It looks like you're using the getpass module to get the email and password inputs from the user without showing them on the screen. However, if you're running this code in an environment where the standard input/output is not supported (like some IDEs or Jupyter notebooks), the getpass module might not work as expected.

So I worked on jupyter only

Import smtplib

result = getpass.getpass("Type something here and it will be hidden: ")

Type something here and it will be hidden: ········

email = getpass.getpass("Enter your email: ")

password = getpass.getpass("Enter your password: ")

smtp\_object.login(email,password)

Enter your email: ········

Enter your password: ········

Out[10]:

(235, b'2.7.0 Accepted')

from\_address = getpass.getpass("Enter your email: ")

to\_address = getpass.getpass("Enter the email of the recipient: ")

subject = input("Enter the subject line: ")

message = input("Type out the message you want to send: ")

msg = "Subject: " + subject + '\n' + message

smtp\_object.sendmail(from\_address,to\_address,msg)

Enter your email: ········

Enter the email of the recipient: ········

Enter the subject line: Reply

Type out the message you want to send: tomato and onion pack krali?

Smtp\_object.quit().

Around 7 I finished sent a mail through python

Total sitting throughout the day 1

Total study time through out the day approx. 7hr