import imaplib, email, os

user = 'test-071@outlook.com'

password = 'Testingaccount'

imap\_url = 'imap-mail.outlook.com'

#Where you want your attachments to be saved (ensure this directory exists)

attachment\_dir = r'C:\Users\karis\Documents\PATH\email scraping for Outlook and Gmail'

# sets up the auth

def auth(user,password,imap\_url):

con = imaplib.IMAP4\_SSL(imap\_url)

con.login(user,password)

return con

# extracts the body from the email

def get\_body(msg):

if msg.is\_multipart():

return get\_body(msg.get\_payload(0))

else:

return msg.get\_payload(None,True)

# allows you to download attachments

def get\_attachments(msg):

for part in msg.walk():

if part.get\_content\_maintype()=='multipart':

continue

if part.get('Content-Disposition') is None:

continue

fileName = part.get\_filename()

if bool(fileName):

filePath = os.path.join(attachment\_dir, fileName)

with open(filePath,'wb') as f:

f.write(part.get\_payload(decode=True))

#search for a particular email

def search(key,value,con):

result, data = con.search(None,key,'"{}"'.format(value))

return data

#extracts emails from byte array

def get\_emails(result\_bytes):

msgs = []

for num in result\_bytes[0].split():

typ, data = con.fetch(num, '(RFC822)')

msgs.append(data)

return msgs

con = auth(user,password,imap\_url)

con.select('Inbox')

result, data = con.fetch(b'2','(RFC822)')

raw = email.message\_from\_bytes(data[0][1])

get\_attachments(raw)