SMTP

Email messaging

https://docs.python.org/3/library/smtplib.html

First method to generate email

```
import smtplib
subject_line="<Subject Line goes here>"
message="<Multi-line message content goes here >"
# Establish connection to gmail server
server=smtplib.SMTP('smtp.gmail.com', 587)
server.ehlo()
server.starttls()
server.login('email address from', 'Enter Password Here')

mesg = 'subject:{} \n\n{}'.format(subject_line, message)

server.sendmail('From email address', 'To: email address', mesg)
```

Second method to send secure email (slide 1 of 2)

```
from email.message import EmailMessage
from password_file import password
import ssl
import smtplib
############# Create string to save email from and email to email addresses #############
email_message_from="<Email From:  email address> "
email_message_to="Email To:  email address>"
################################################################################
# Create email subject line, and message body
############################
email_subject="Test email message"
email_body= """ <Multi-line String goes here> """
email_message=EmailMessage()
email_message['From']=email_message_from
email_message['To']=email_message_to
email_message['subject']=email_subject
email_message.set_content(email_body)
```

Second method to send email message: (slide 2 of 2)

```
#########################

########  Create context for the message ####

context=ssl.create_default_context()

### In create_default_context(<certificate>)


#################### Use smtplib and send email message #######################


with smtplib.SMTP_SSL('smtp.gmail.com', 465, context=context) as smtp:
    smtp.login(email_message_from, password)
    smtp.sendmail(email_message_from, email_message_to, email_message.as_string())


############################################################################
```