

AUTOMATION OF SENDING EMAILS AFTER WEB SCRAPPING BY Kevin Munya

```
Generated code may be subject to a license | includeno/movielens_1m_full_data | medium.com/analytics-vidhya/web-scraping-with-python-and-object-oriented-programming-14638a231f14
import requests
from bs4 import BeautifulSoup
import smtplib
from email.mime.multipart import MIMEMultipart
from email.mime.text import MIMEText
import datetime
import time
now = datetime.datetime.now()
```

I have imported the necessary libraries that i need to extract the required information from the website. I also have modified the date to ensure the emails being received by the recipients shows the real date the email was sent minimizing mix-up of information

```
content = ''
```

I have created an empty list named content where I will fill the content I want to display in the email after extracting from the websites

```
Generated code may be subject to a license | AnkitM18-tech/HeadLines-Emailer | Aaronga19/Automated-Tasks
def extract_news(url):
    print('Extracting Hacker News Stories')
    cnt= ''
    cnt += ('<b>' + url + '</b>' + '\n' + '<br>')
    response = requests.get(url)
def extract_news(url):
    print('Extracting Hacker News Stories')
    cnt= ''
    cnt += ('<b>' + url + '</b>' + '\n' + '<br>')
    response = requests.get(url)
    content = response.content
    soup = BeautifulSoup(content, 'html.parser')
    for i, tag in enumerate(soup.find_all('td', attrs={'class':'title', 'valign':''})):
        cnt += ((str(i) + ' : ' + tag.text + '\n' + '<br>') if tag.text != 'More' else '')
    return cnt
```

I have identified key details from the website that I want my recipients to view and also formatted to the form that I want the recipients to view them

```
cnt= extract_news('https://news.ycombinator.com/')
content += cnt
content += ('<br><br><br>')
content += ('<br><br><br> End of message')
```

↪ Extracting Hacker News Stories

I have filled the empty list with the extracted information

```
print('Composing Email')
```


↪ Composing Email

```
SERVER= 'smtp.gmail.com'
PORT= 587
FROM='munyakevin6@gmail.com'
TO=['5703.2022@students.ku.ac.ke', 'geraldnyaga07@gmail.com', 'odhongallan03@gmail.com']
PASS='szna gupf cemf pbvq'
```

I have defined the source of the email and where I want to direct my emails to


```
msg=MIMEMultipart()
msg['subject']='Top News Stories Hacker News By Kevin Munya + ' + str(now.day) + '-' + str(now.month) + '-' + str(now.year)
msg['From']=FROM
msg['To']=','.join(TO)
msg.preamble= 'Top News Stories Hacker News'
```

```
msg.attach(MIMEText(content, 'html'))
print('Initiating Server')
msg.attach(MIMEText(content, 'html'))
print('Initiating Server')
```

 Initiating Server
Initiating Server

I have given the emails a Subject/Title and date

```
server = smtplib.SMTP(SERVER, PORT)
server.set_debuglevel(0)
server.ehlo()
server.starttls()
server.login(FROM, PASS)
server.sendmail(FROM, TO, msg=msg.as_string())
server.quit()
print('Email sent')
```

 Email sent

I have hidden all the possible errors that could arise by setting a debug level of zero then finally sent the emails to my recipients.