



poi_flag_email.py

studentMain.py

```
1 #!/usr/bin/python
2
3  ###
4  ### in poiFlagEmail() below, write code that returns a boolean
5  ### indicating if a given email is from a POI
6  ###
7
8  import sys
9  import reader
10 import poi_emails
11
12 def getToFromStrings(f):
13     '''
14     The imported reader.py file contains functions that we've created to help
15     parse e-mails from the corpus. .getAddresses() reads in the opening lines
16     of an e-mail to find the To: From: and CC: strings, while the
17     .parseAddresses() line takes each string and extracts the e-mail addresses
18     as a list.
19     '''
20     f.seek(0)
21     to_string, from_string, cc_string = reader.getAddresses(f)
22     to_emails = reader.parseAddresses( to_string )
23     from_emails = reader.parseAddresses( from_string )
24     cc_emails = reader.parseAddresses( cc_string )
25
26     return to_emails, from_emails, cc_emails
27
```

Good job! Your output matches our solution.

Here's your output:

```
{'ken.rice@enron.com': {'from poi to this person': 0}, 'sheila.knudsen@enron.com': {'from poi to this person':
```





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```
26     to_emails, from_emails, cc_emails = getToFromStrings(f)
27
28
29     """ POI flag an email
30
31 def poiFlagEmail(f):
32     """ given an email file f,
33         return a trio of booleans for whether that email is
34         to, from, or cc'ing a poi """
35
36     to_emails, from_emails, cc_emails = getToFromStrings(f)
37
38     """ poi_emails.poiEmails() returns a list of all POIs' email addresses.
39     poi_email_list = poi_emails.poiEmails()
40
41     to_poi = False
42     from_poi = False
43     cc_poi = False
44
45     """ to_poi and cc_poi are boolean variables which flag whether the email
46     """ under inspection is addressed to a POI, or if a POI is in cc,
47     """ respectively. You don't have to change this code at all.
48
49     """ There can be many "to" emails, but only one "from", so the
50     """ "to" processing needs to be a little more complicated
51 if to_emails:
52     ctr = 0
```

Good job! Your output matches our solution.

Here's your output:

```
{'ken rice@enron.com': {'from poi to this person': 0}, 'sheila.knudsen@enron.com': {'from poi to this person':
```





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```
52     ctr = 0
53     while not to_poi and ctr < len(to_emails):
54         if to_emails[ctr] in poi_email_list:
55             to_poi = True
56             ctr += 1
57 if cc_emails:
58     ctr = 0
59     while not cc_poi and ctr < len(cc_emails):
60         if cc_emails[ctr] in poi_email_list:
61             cc_poi = True
62             ctr += 1
63
64     #####
65     ##### your code below #####
66     ### set from_poi to True if #####
67     ### the email is from a POI #####
68     #####
69 if from_emails:
70     ctr = 0
71     while not from_poi and ctr < len(from_emails):
72         if from_emails[ctr] in poi_email_list:
73             from_poi = True
74             ctr += 1
75
76     #####
77     return to_poi, from_poi, cc_poi
```

Good job! Your output matches our solution.

Here's your output:

```
{'ken rice@enron.com': {'from poi to this person': 0}, 'sheila knudsen@enron.com': {'from poi to this person':
```



68

#####



Thanks for completing that!

Good job! Your output matches our solution.

Here's your output:

```
{'ken.rice@enron.com': {'from_poi_to_this_person': 0},  
'sheila.knudsen@enron.com': {'from_poi_to_this_person': 1},  
'mark.bernstein@enron.com': {'from_poi_to_this_person': 0},  
'david.w.delainey@enron.com': {'from_poi_to_this_person': 0},  
'mark.koenig@enron.com': {'from_poi_to_this_person': 0},  
'suzanne.danz@enron.com': {'from_poi_to_this_person': 0},  
'paul.clayton@enron.com': {'from_poi_to_this_person': 1},  
'loretta.brelsford@enron.com': {'from_poi_to_this_person': 0},  
'michelle.parks@enron.com': {'from_poi_to_this_person': 1},  
'jeffrey.shankman@enron.com': {'from_poi_to_this_person': 11},  
'ryan.watt@enron.com': {'from_poi_to_this_person': 0},  
'antonio.kuehl@enron.com': {'from_poi_to_this_person': 0},
```

are called when a Test Run or Submit is made.



```
from_poi_to_this_person':  
on.com':  
0},
```

```
son': 0},  
om':  
,  
,  
0},  
om':  
: 0},  
om_poi_to_this_person':
```

SUBMIT ANSWER

or editing, and

