U1NSCAY6R: its a bit that gets marked when the file is archived - which has some weird definitions

U5UQKCC06: I'd have to check our admin, I'm not sure what system we're using. I think it's hosted by another company

U1NSCAY6R: sorry running out the door but if this isnt turned on on the share, you wont get back access times:

<a href="https://gallery.technet.microsoft.com/How-to-enable-File-and-af674be4">https://gallery.technet.microsoft.com/How-to-enable-File-and-af674be4</a>

U5UQKCC06: Thanks for the info <@U1NSCAY6R>

This is probably a silly question, but do you by chance know if this was enabled if it would retro date everything accessed previously? This is probably a pipe dream, but maybe the data is stored locally on everyone's own PCs?

U3G7RJP61: Anyone ever worked with Stripe to create a UK managed account?

U1NSCAY6R : <@U5UQKCC06> if auditing is the issue and it wasn't on then you probably wont. Unless someone replaced a file with their local version then maybe

U1NSCAY6R: Have you tried `os.path.getmtime(path)`?

U5UQKCC06: I haven't. I'll test it

U5UQKCC06: Same thing, pretty sure both methods are retrieving the same attribute U2BS4M1RV: Anyone on tonight? Or maybe tag me if you see this in the morning?

How would I get the index of a namedtuple field through code without looking at the definition? This is so I can write a code that will use this named tuple by field name rather than index so if the indexes change later down the line with code changes it won't break, and for easier reading?

```
...
```

Query = namedtuple('Query', 'dt record\_type query client')

With the counts\_client function, I am sending a hardcoded index right now, but I would like to send Query.client. As expected, using Query.client doesn't work here and raises a TypeError for tuple indices must be integers or slices, not property.

```
U5VGKQ2SY: 1st, this:```
if include is None:
    include = []
    if exclude is None:
        exclude = []

to:

if not include:
    include = []
if not exclude:
    exclude = []
```

U2BS4M1RV: Oh, good catch. Oops. PyCharm should have told me that one.

U5VGKQ2SY: ``` counter = Counter()

```
for entry in queries:
     if _query_filter(entry.client, include, exclude):
       counter[entry[index_to_count]] += 1
  return counter
U5VGKQ2SY: walk me through this
U2BS4M1RV: Counter is the Counter from collections. Queries is a list of the Query namedtuple. _query_filter is
essentially grep and returns a boolean as to whether to include that entry in the counter or not.
index to count is the index of the named tuple. That is where I would much prefer to say Query guery rather than
entry[index to count]
U2BS4M1RV: Or, Query.client, I think it was in that example.
U2BS4M1RV: I have two functions, at present, that use the counts generic, rather than each repeating the whole
function and specifying entry. query or entry. client from the namedtuple.
U2BS4M1RV: ```def counts_query(queries: list, include: list=None, exclude: list=None) -&qt; dict:
  Counts queries and returns a Counter of all domains queries
  Filters are literal and must match exactly
  :param queries: list of Query namedtuples
  :param include: list of items to include, works as whitelist
  :param exclude: list of items to exclude, works as blacklist
  :return: Counter keyed to dns guery
  return _counts_generic(queries, 2, include, exclude)
def counts client(queries: list, include: list=None, exclude: list=None) \
     -> dict:
  Counts client requests and returns a Counter of all clients
  Filters are literal and must match exactly
  :param gueries: list of Query namedtuples
  :param include: list of items to include, works as whitelist
  :param exclude: list of items to exclude, works as blacklist
  :return: Counter keyed to client ip query
  return counts generic(queries, 3, include, exclude)
def _counts_generic(queries: list, index_to_count=0, include: list=None,
             exclude: list=None) -> dict:
  if not include:
     include = []
  if not exclude:
     exclude = []
  counter = Counter()
  for entry in queries:
     if query filter(entry[index to count], include, exclude):
       counter[entry[index_to_count]] += 1
  return counter
def query filter(entry: str, include: list = None, exclude: list = None)\
     -> bool:
  if include:
     if entry in include and entry not in exclude:
       return True
  else:
     if entry not in exclude:
```

```
return True
  return False
Don't know if more code helps.
U5VGKQ2SY: ``` if include:
     if entry in include and entry not in exclude:
       return True
  else:
     if entry not in exclude:
       return True
  return False
Does this work the same if:
if include:
     if entry in include and entry not in exclude:
       return True
elif entry not in exclude:
       return True
else:
  return False
?
U2BS4M1RV: Yeah, it would. I shouldn't program at night.: slightly_smiling_face:
U2BS4M1RV: Though, in yours the else isn't necessary.
U5VGKQ2SY: technically, this could all be brought down to:""
if entry not in include:
  return True
else:
 return False
right?
```