

11/10/2023

Filtering the Response

With most common retrieved Data:

```
        'type' : aType,
        'location': aLocation,
        'gender' : aGender,
        #'age' : aAge,
        #'size' : aSize
    }

    response = requests.get(CALL_URL, params=params, headers=headers)

    #displayinfo = response.json()['animals'][0]['age'] This worked
    #displayinfo = response.json()['animals']#[0]['contact'] #from first 20 animals
    #displayinfo = response.json()
    data = response.json().get('animals')
    filtered_data = []
    for animal in data:

        Address = {
            'Street': animal.get('contact', 'N/A').get('address', 'N/A').get('address1', 'N/A'),
            'City': animal.get('contact', 'N/A').get('address', 'N/A').get('city', 'N/A'),
            'State': animal.get('contact', 'N/A').get('address', 'N/A').get('state', 'N/A'),
            'Zip Code': animal.get('contact', 'N/A').get('address', 'N/A').get('postcode', 'N/A'),
            'Country': animal.get('contact', 'N/A').get('address', 'N/A').get('country', 'N/A')
        }

        # goodwith = animal.get('environment', 'N/A')
        # for val in goodwith.values():
        #     if val != 'true':
        #         del goodwith[val]

        filtered_animal={
            'Address' : Address,
            'Distance' : animal.get('distance', 'N/A'),
            'Photo': animal.get('primary_photo_cropped').get('small', 'N/A'),
            'Name': animal.get('name', 'N/A'),
            'Type': animal.get('type', 'N/A'),
            'Size': animal.get('size', 'N/A'),
            'Gender': animal.get('gender', 'N/A'),
            'Age' : animal.get('age', 'N/A'),
            'breeds' : animal.get('breeds', 'N/A').get('primary'),
            #'Good with' : animal.get('environment', 'N/A'),
            'Email': animal.get('contact', 'N/A').get('email', 'N/A'),
            'Phone': animal.get('contact', 'N/A').get('phone', 'N/A'),
            'Description': animal.get('description', 'N/A')
        }
        filtered_data.append(filtered_animal)

    #return filtered_data          # This Displays all related results
    return filtered_data[0]      # This Displays first related result for example
    #return filtered_data[0:4]   # This Displays first Four related results as an example
```

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127.0.0.1:5500/AhmedWork/templates/home.html

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Looking for a pet? Fill the form Below:

Location: (Enter "postal code" OR "City, State")

Animal Type:

Gender:

Type here to search 36°F 4:04 AM 11/10/2023

One response as an example:

Work 127.0.0.1:8000/input x www.bing.com x 127.0.0.1:8000/input +

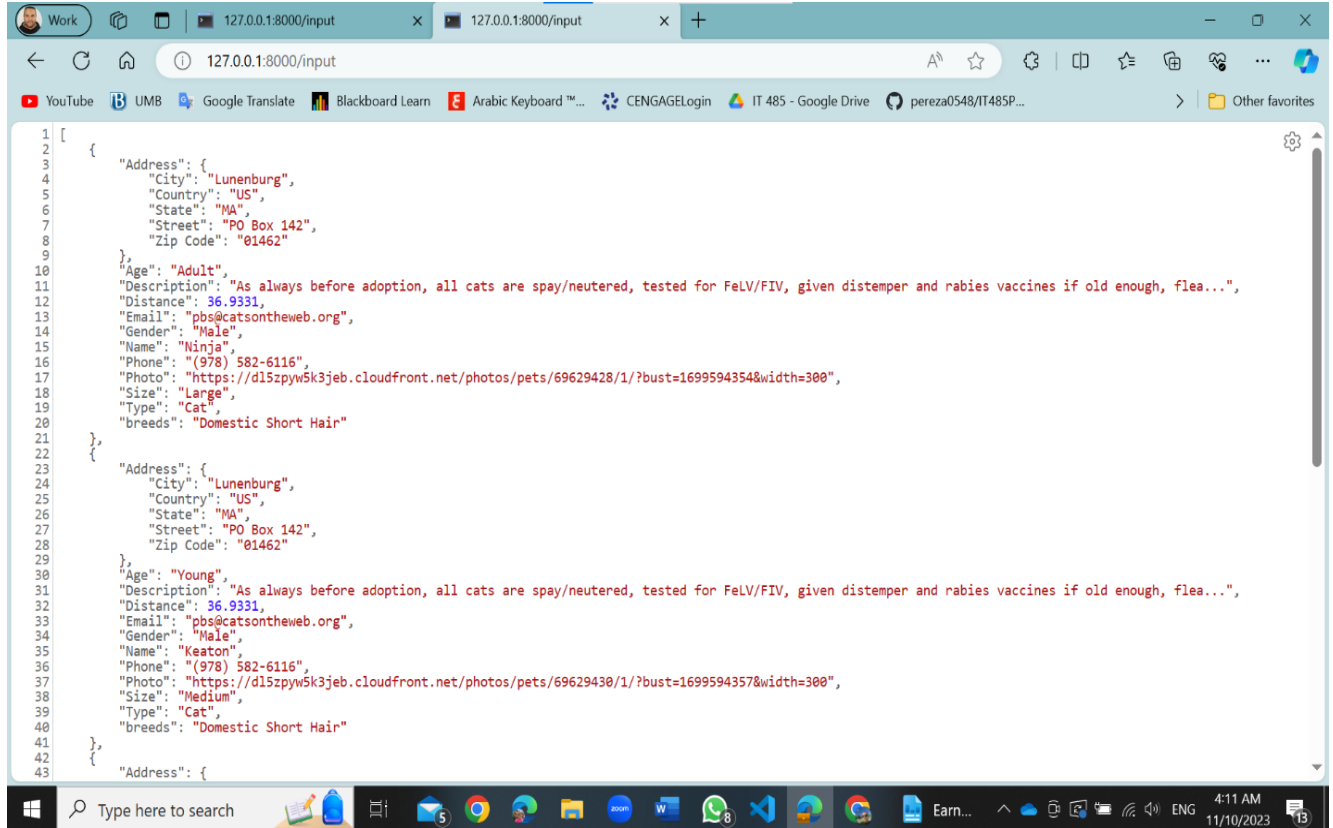
127.0.0.1:8000/input

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```
1 {
2   "Address": {
3     "City": "Lunenburg",
4     "Country": "US",
5     "State": "MA",
6     "Street": "PO Box 142",
7     "Zip Code": "01462"
8   },
9   "Age": "Young",
10  "Description": "As always before adoption, all cats are spay/neutered, tested for FeLV/FIV, given distemper and rabies vaccines if old enough, flea...",
11  "Distance": 38.3822,
12  "Email": "pbs@catsontheweb.org",
13  "Gender": "Male",
14  "Name": "Kaleb",
15  "Phone": "(978) 582-6116",
16  "Photo": "https://d15zpyw5k3jeb.cloudfront.net/photos/pets/69629432/1/?bust=1699594358&width=300",
17  "Size": "Medium",
18  "Type": "Cat",
19  "breeds": "Domestic Short Hair"
20 }
```

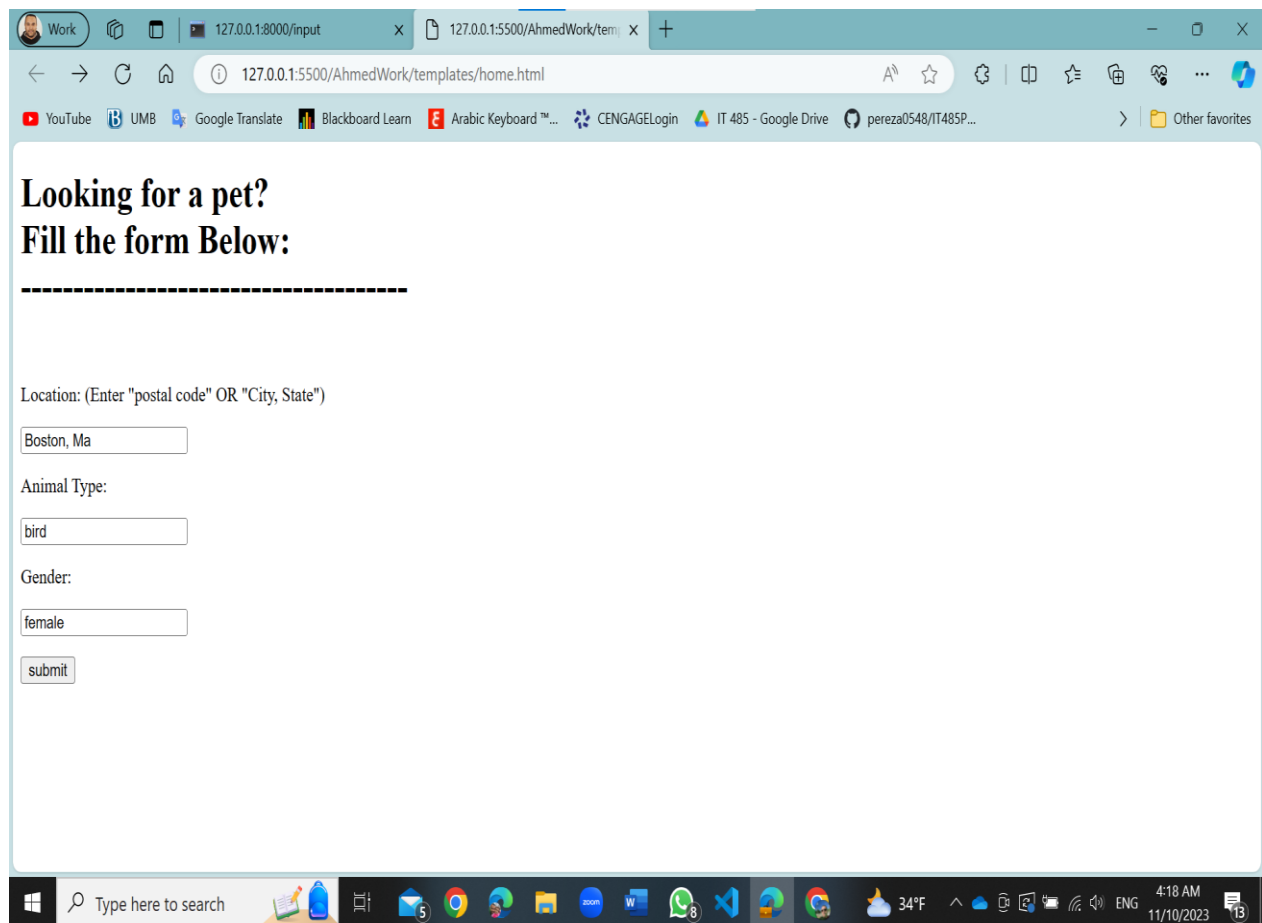
Type here to search 36°F 4:05 AM 11/10/2023

Example for displaying multiple results:



```
1 [
2   {
3     "Address": {
4       "City": "Lunenburg",
5       "Country": "US",
6       "State": "MA",
7       "Street": "PO Box 142",
8       "Zip Code": "01462"
9     },
10    "Age": "Adult",
11    "Description": "As always before adoption, all cats are spay/neutered, tested for FeLV/FIV, given distemper and rabies vaccines if old enough, flea...",
12    "Distance": 36.9331,
13    "Email": "pbs@catsontheweb.org",
14    "Gender": "Male",
15    "Name": "Ninja",
16    "Phone": "(978) 582-6116",
17    "Photo": "https://d15zpyw5k3jeb.cloudfront.net/photos/pets/69629428/1/?bust=1699594354&width=300",
18    "Size": "Large",
19    "Type": "Cat",
20    "breeds": "Domestic Short Hair"
21  },
22  {
23    "Address": {
24      "City": "Lunenburg",
25      "Country": "US",
26      "State": "MA",
27      "Street": "PO Box 142",
28      "Zip Code": "01462"
29    },
30    "Age": "Young",
31    "Description": "As always before adoption, all cats are spay/neutered, tested for FeLV/FIV, given distemper and rabies vaccines if old enough, flea...",
32    "Distance": 36.9331,
33    "Email": "pbs@catsontheweb.org",
34    "Gender": "Male",
35    "Name": "Keaton",
36    "Phone": "(978) 582-6116",
37    "Photo": "https://d15zpyw5k3jeb.cloudfront.net/photos/pets/69629430/1/?bust=1699594357&width=300",
38    "Size": "Medium",
39    "Type": "Cat",
40    "breeds": "Domestic Short Hair"
41  },
42  {
43    "Address": {
```

Trying different types of animals, a bird for example:



The screenshot shows a web browser window with two tabs. The active tab is titled "127.0.0.1:5500/AhmedWork/templates/home.html". The browser's address bar shows the same URL. The page content includes a heading "Looking for a pet?" followed by "Fill the form Below:". Below this is a horizontal dashed line. The form contains three text input fields: "Location: (Enter 'postal code' OR 'City, State')", "Animal Type:", and "Gender:". The "Location" field contains "Boston, Ma", the "Animal Type" field contains "bird", and the "Gender" field contains "female". A "submit" button is located below the "Gender" field. The browser's taskbar at the bottom shows various icons, including the Windows logo, search bar, and several application icons. The system tray on the right shows the date and time as "4:18 AM 11/10/2023".

Work

127.0.0.1:8000/input

127.0.0.1:5500/AhmedWork/templates/home.html

127.0.0.1:5500/AhmedWork/templates/home.html

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Other favorites

Looking for a pet?
Fill the form Below:

Location: (Enter "postal code" OR "City, State")

Boston, Ma

Animal Type:

bird

Gender:

female

submit

Type here to search

34°F

4:18 AM 11/10/2023

Work 127.0.0.1:8000/input 127.0.0.1:8000/input

127.0.0.1:8000/input

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```
1 [
2   {
3     "Address": {
4       "City": "Methuen",
5       "Country": "US",
6       "State": "MA",
7       "Street": "400 Broadway",
8       "Zip Code": "01844"
9     },
10    "Age": "Baby",
11    "Description": null,
12    "Distance": 26.8169,
13    "Email": "methuen@mspca.org",
14    "Gender": "Female",
15    "Name": "PEONY",
16    "Phone": "978-687-7453",
17    "Photo": "https://d15zpyw5k3jeb.cloudfront.net/photos/pets/69578811/1/?bust=1699301239&width=300",
18    "Size": "Medium",
19    "Type": "Bird",
20    "breeds": "Chicken"
21  },
22  {
23    "Address": {
24      "City": "Methuen",
25      "Country": "US",
26      "State": "MA",
27      "Street": "400 Broadway",
28      "Zip Code": "01844"
29    },
30    "Age": "Baby",
31    "Description": null,
32    "Distance": 26.8169,
33    "Email": "methuen@mspca.org",
34    "Gender": "Female",
35    "Name": "COLUMBIA",
36    "Phone": "978-687-7453",
37    "Photo": "https://d15zpyw5k3jeb.cloudfront.net/photos/pets/69578812/1/?bust=1699301239&width=300",
38    "Size": "Medium",
39    "Type": "Bird",
40    "breeds": "Chicken"
41  },
42  {
43    "Address": {
44      "City": "Methuen",
45      "Country": "US",
46      "State": "MA",
47      "Street": "400 Broadway",
48      "Zip Code": "01844"
49    },
50    "Age": "Baby",
51    "Description": null,
52    "Distance": 26.8169,
53    "Email": "methuen@mspca.org",
54    "Gender": "Female",
55    "Name": "ASTER",
56    "Phone": "978-687-7453",
57    "Photo": "https://d15zpyw5k3jeb.cloudfront.net/photos/pets/69578814/1/?bust=1699301240&width=300",
58    "Size": "Medium"
```