**API Project**

**1-create repository in git**

**2-after publish repository open it with vscode**

**3-virtualenv venv**

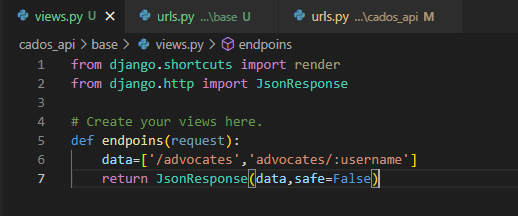
**source/venv/Scripts/activate**

**4-django-admin startproject cados\_api**

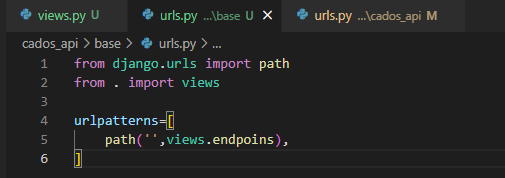
**5-cd cados\_api>python manage.py startapp base**

**6-add base app to installed apps in the settings**

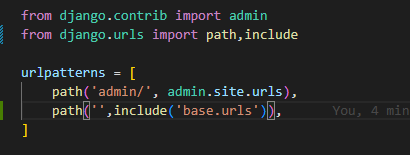
**7-base app views.py:**

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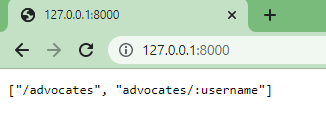
**8-base app urls.py:**

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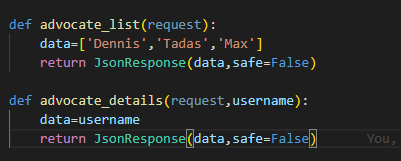
**9-cados\_api urls.py:**

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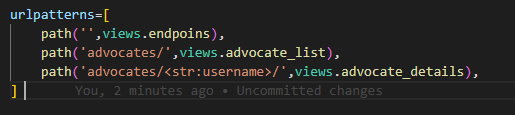
**10-Test:before test do migrate**

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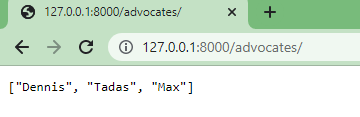
**11-base app views.py:**

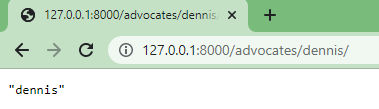
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**12-base app urls.py:**

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**13-Test:**

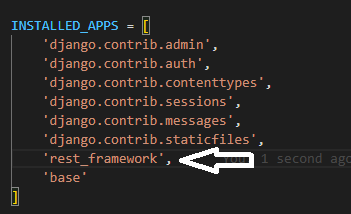
****

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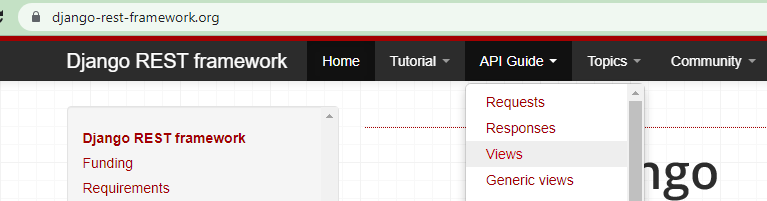
**14-django restframework:**

**pip install djangorestframework**

**then add it to installed apps in settings.py**

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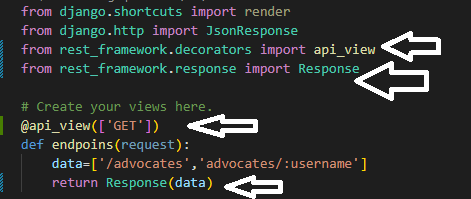
**Good site too learn:**

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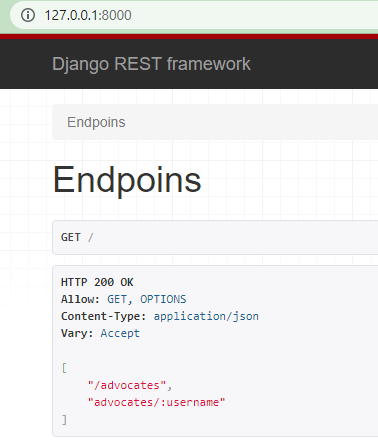
**Good example:**

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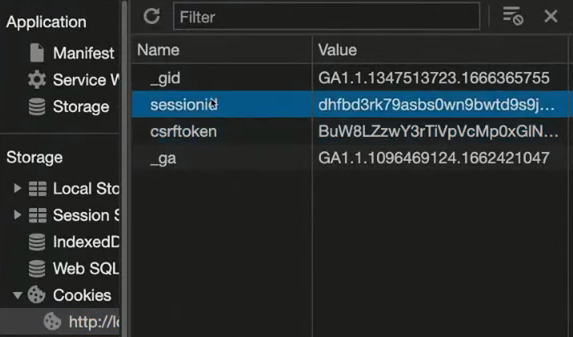
**base app view.py:**

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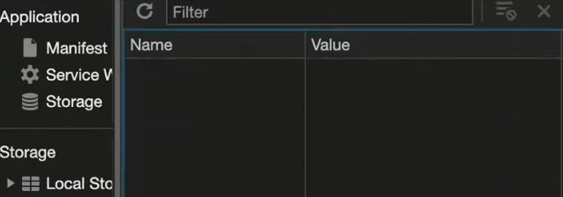
**Result:**

****

**But for teacher dosen’t work because he said he wroks with other django application and its session id cause this error and to solve it go to inspect:**

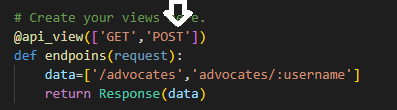
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**And delete all of them:**

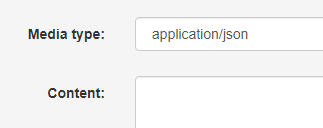
****

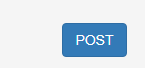
**And problem solved.**

**If we add POST request to decorator:**

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**And refresh server we see a form to send data:**

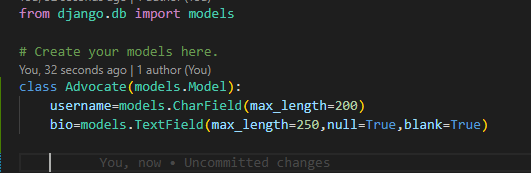
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**Ao as you can see django is very powerfull and you don’t need something like postman to see rest apis.**

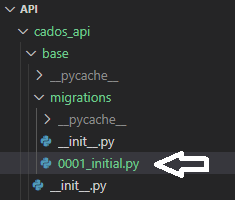
**15-design database in django**

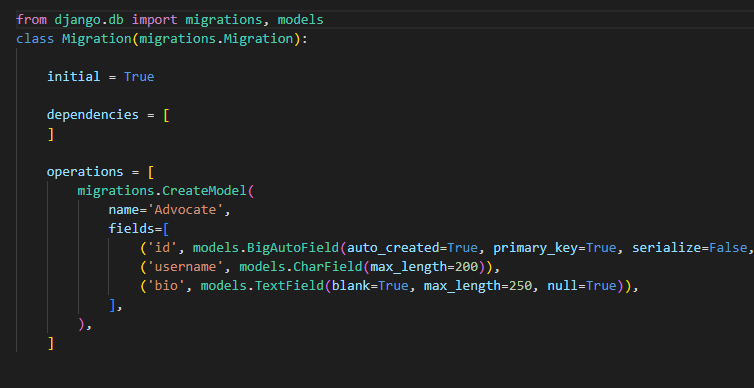
**open models.py for base app:**

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**Then migration commands**

**After it open this file:**

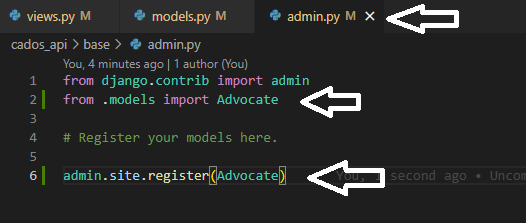
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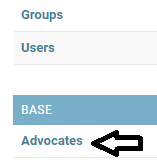
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**You see it add id automatically and we don’t need to add id in models.**

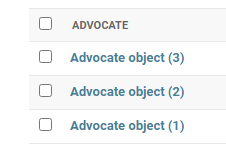
**create super user to can access admin panel.after it login to admin panel.we see users and groups table here but we don’t see Advocate table.**

**admin.py base app:**

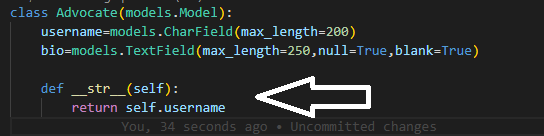
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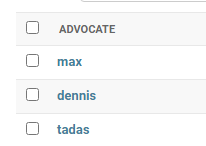
**we add 3 username:**

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**To fix shows username instead of object:**

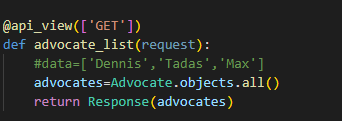
****

**Result:**

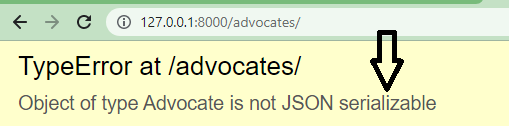
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**16-another api to get all usernames**

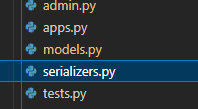
****

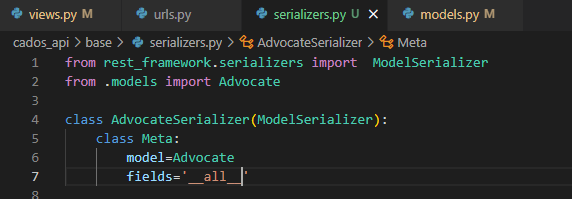
****

**If we runserver we have error:**

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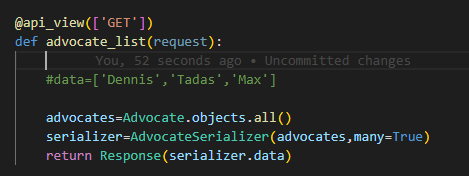
**To fix it create a new file in base app named serializers.py:**

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**Views.py:**

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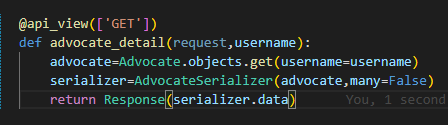
****

**Test:**

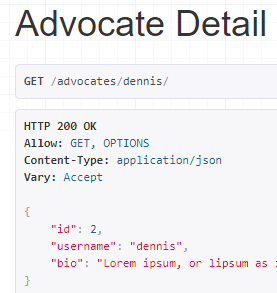
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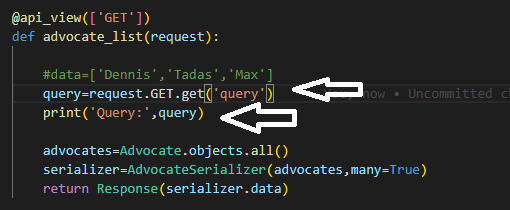
**16-another api to get 1 username**

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**17-get the query from the front-end to get apecific username:**

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**If we run the server and go to 127.0.0.1:8000/advocates we see query is None:**

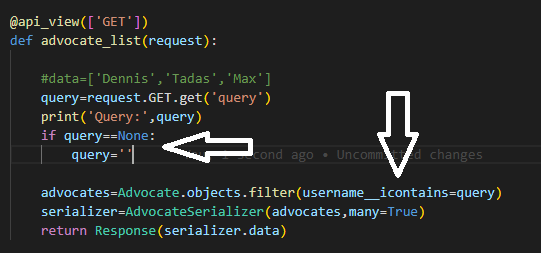
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**But if we pass dennis:**

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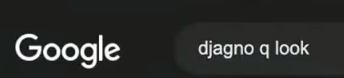
**But all usernames shows.**

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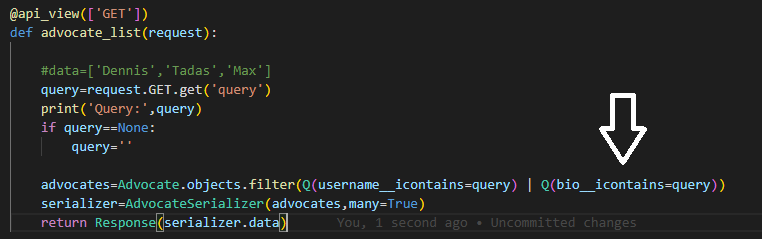
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**18-two condition:**

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