

Actividad Copilot

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1. Capturas de pantalla código generado con la ayuda de Copilot

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                                                              views.py X  ettings.py

√ IS PRACTICE

                                         is_practice > ♦ views.py > ♦ factorial

✓ Is_practice

                                                  from rest_framework.decorators import api_view
from rest_framework.response import Response
          > 📴 __pycache_
             e _init_.py
                                                  from rest_framework import status
import math
              🥏 asgi.py
                                                  @api_view(['GET'])
def is_palindrome(request, word):
    result = word == word[::-1]
    return Response(('word: word, 'is_palindrome': result), content_type='application/json')
              e views.py
             e wsgi.py
            db.sqlite3
@api view(['GET'])
                                                        word_checker(request, word):
length = len(word)
<del>ك</del>
                                                  @api_view(['POST'])
def factorial(request):
                                                              number = int(request.data.get('number'))
                                                             if number < 0:
    return Response({'error': 'Number must be non-negative'}, status-status.HTTP_400_BAD_REQUEST)</pre>
                                                             result = math.factorial(number)
return Response({'number': number, 'factorial': result})
                                                        except (ValueError, TypeError):
    return Response({'error': 'Invalid input'}, status=status.HTTP_400_BAD_REQUEST)
> OUTLINE
       > TIMELINE
```

Captura de pantalla del archivo views.py donde se encuentran los algoritmos.

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                                                                                                                                                                                                                                                        08 □ □ □
🌖 File Edit Selection View Go Run 😶
                                                  🔷 urls.py 🗙 🍦 views.py
ф
                                                   is_practice > 👶 urls.py > ...

∨ IS PRACTICE

✓ is_practice

             > 📭 _pycache_
                _init_.py
                                                               The `urlpatterns` list routes URLs to views. For more information please see: https://docs.djangoproject.com/en/5.1/topics/http/urls/
                 🥏 asgi.py
                                                              ntcps://duct.symm.pp
Examples:
Function views
1. Add an import: from my app import views
2. Add a URL to urlpatterns: path('', views.home, name='home')
                 views.py
                e wsgi.py
                                                               Class-based views

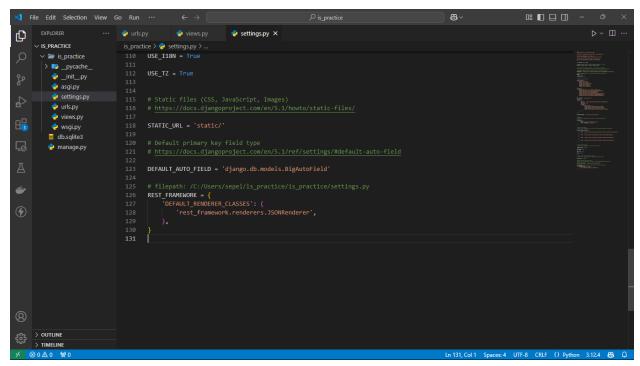
1. Add an import: from other_app.views import Home

2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
                db.sqlite3
e manage.py
                                                               Including another URLconf

1. Import the include() function: from django.urls import include, path

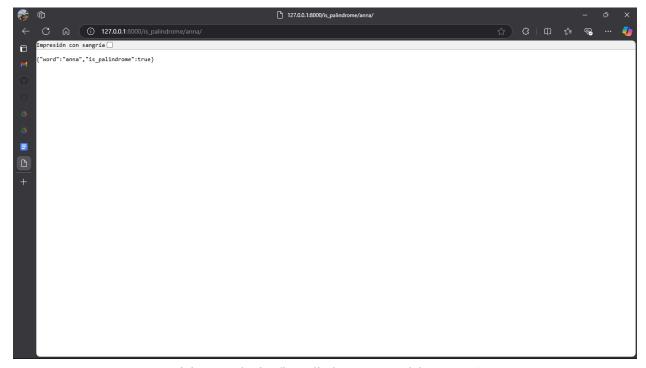
2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
                                                               from django.contrib import admin
from django.urls import path
from is_practice.views import is_palindrome, word_checker, factorial
                                                               urlpatterns = [
  path('admin/', admin.site.urls),
  path('is_palindrome/<str:word>/', is_palindrome, name='is_palindrome'),
  path('word_checker/<str:word>/', word_checker, name='word_checker'),
  path() factorial factorial, name='factorial'),
> OUTLINE
        > TIMELINE
                                                                                                                                                                                                                  Ln 25, Col 21 Spaces: 4 UTF-8 CRLF () Python 3.12.4 🔠 🚨
```

Captura de pantalla del archivo urls.py donde se ubican los endpoints.

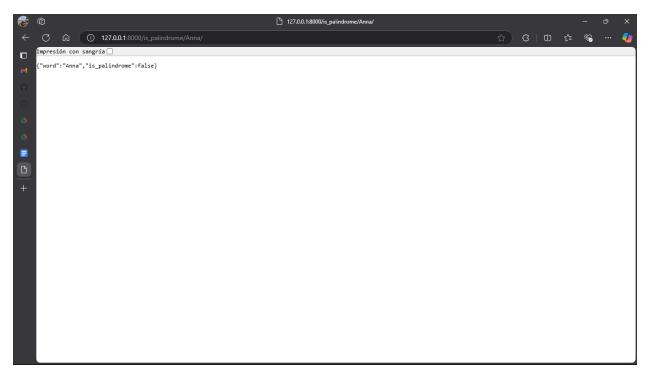


archivo settings.py donde se realizó la adición del fragmento de código REST_FRAMEWORK solución entregada por parte de Copilot a un error que se presentaba.

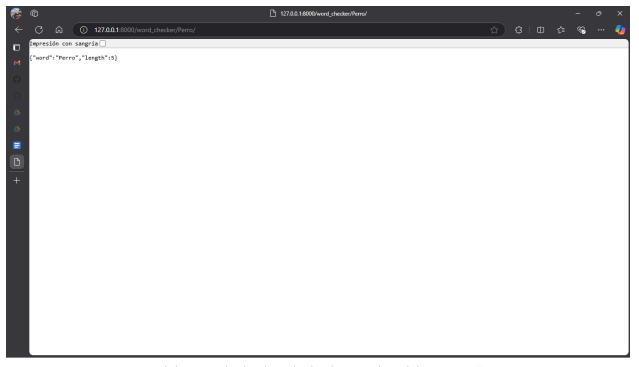
2. Capturas de pantalla de realización de peticiones.



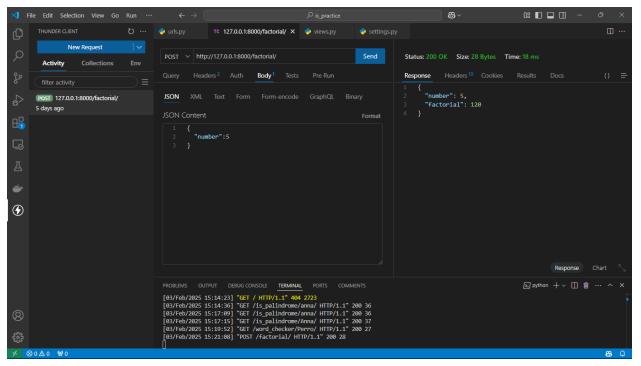
Petición a endpoint /is_palindrome con palabra "anna".



Petición a endpoint /is_palindrome con palabra "Anna".



Petición a endpoint /word_checker con la palabra "Perro".



Petición POST a endpoint /factorial.

3. Ejemplos de consultas realizadas a Copilot para creación del código.



javiermartinezgi01

C:\Users\sepel\is_practice\is_practice\views.py changed, reloading. Watching for file changes with StatReloader Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessions. Run 'python manage.py migrate' to apply them. January 29, 2025 - 19:15:34 Django version 5.1.5, using settings 'is_practice.settings' Starting development server at http://127.0.0.1:8000/ Quit the server with CTRL-BREAK.

True Internal Server Error: /is_palindrome/anna/ Traceback (most recent call last): File

"C:\Users\sepel\AppData\Local\Programs\Python\Python312\Lib\site-packages\django\core\handlers\exception.py", line 55, in inner response

"C:\Users\sepel\AppData\Local\Programs\Python\Python312\Lib\site-packages\django\template\response.py", line 114, in render self.content = self.rendered content ^^^^^^^^^^^^^^^^^ File "C:\Users\sepel\AppData\Local\Programs\Python\Python312\Lib\sitepackages\rest_framework\response.py", line 74, in rendered_content ret = renderer.render(self.data, accepted_media_type, context) . ^^^^^^^^^^^^^

"C:\Users\sepel\AppData\Local\Programs\Python\Python312\Lib\site-packages\rest_framework\renderers.py", line 726, in render template = loader.get_template(self.template) ^^^^^^^^^^^^^^^^^^^^^^^^

"C:\Users\sepel\AppData\Local\Programs\Python\Python312\Lib\site-packages\django\template\loader.py", line 19, in get_template raise TemplateDoesNotExist(template_name, chain=chain) django.template.exceptions.TemplateDoesNotExist: rest_framework/api.html



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