## EJERCICIO GITHUB COPILOT - DJANGO

## Ejercicio #1:

```
▼ File Edit Selection View Go Run Terminal Help
                                                                                    ··· 🕏 urls.py 🗙
Ð
                 EXPLORER
             ∨ VISUALSTUDIOCODE
                > entorno

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                                                                                                             The `urlpatterns` list routes URLs to views. For more information please see:

https://docs.djangoproject.com/en/5.1/topics/http/urls/
Examples:
Function views

1. Add an import: from my_app import views
2. Add a URL to urlpatterns: path('', views.home, name='home')
                     _init_.pyasgi.pysettings.py
                                                                                                   2. Add a URL to urlpatterns: path('', views.home, name='home')

10 Class-based views

11 1. Add an import: from othen_app.views import Home

12 2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')

13 Including another URLconf

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

15 2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))

16 """

17 from django.contrib import admin

18 from django.urls import path, include

19

10 urlpatterns f
 ∐ ∨ palindrome
                       > _pycache_

                     _init_.pyadmin.py
                                                                                                                       urlpatterns = [
   path('admin/', admin.site.urls),
   path('palindrome/', include('palindrome.urls')), # Agregar esta linea
                      urls.py
                    manage.pv
                                                                                                       System check identified no issues (0 silenced).
February 01, 2025 - 21:28:34
Django version 5.1.5, using settings 'ia_practica.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
                                                                                                         Not Found: /
[01/Feb/2025 21:28:36] "GET / HTTP/1.1" 404 2316
Not Found: /
[01/Feb/2025 21:28:58] "GET / HTTP/1.1" 404 2316
[01/Feb/2025 21:29:67] "GET / palindrome/check/?word=nadar HTTP/1.1" 200 40
> OUTLINE
```



## Ejercicio #2:

El código que se realizo ordena el array y retorna el índice del número en el array.

```
def binary_search(request):
    if request.method == 'POST':

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                                                                                                 data = json.loads(request.body) # Obtener datos del body
array = data.get('array', []) # Obtener el array
target = data.get('target') # Obtener el número a buscar
             _init_.py
₽
                                                                                                 if not isinstance(array, list) or target is None:
    return JsonResponse({'error': 'Invalid input'}, status=400)
             settings.py
             urls.py

→ palindrome

             > migrations
*
                                                                                                         mid = (left + right) // 2
             admin.py
                                                                                                        if array[mid] == target:
    return JsonResponse({'index': mid}) # Retornar el índice
             apps.py
             models.py
                                                                                                         elif array[mid] < target:
             tests.py
             urls.py

    db.salite3

             manage.py
                                                                                     return JsonResponse({'error': 'Only POST method allowed'}, status=405)
                                                                   PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
                                                                   [01/Feb/2025 22:00:25] "POST /palindrome/binary_search/ HTTP/1.1" 200 12 (entorno) PS C:\Users\roger\Documents\VisualStudioCode\ia_practica> python manage.py runserver Watching for file changes with StatReloader Performing system checks...
                                                                   System check identified no issues (0 silenced). February 01, 2025 - 22:01:27
Django version 5.1.5, using settings 'ia_practica.settings' Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
        > OUTLINE
                                                                    [01/Feb/2025 22:01:30] "POST /palindrome/binary_search/ HTTP/1.1" 200 12
```

