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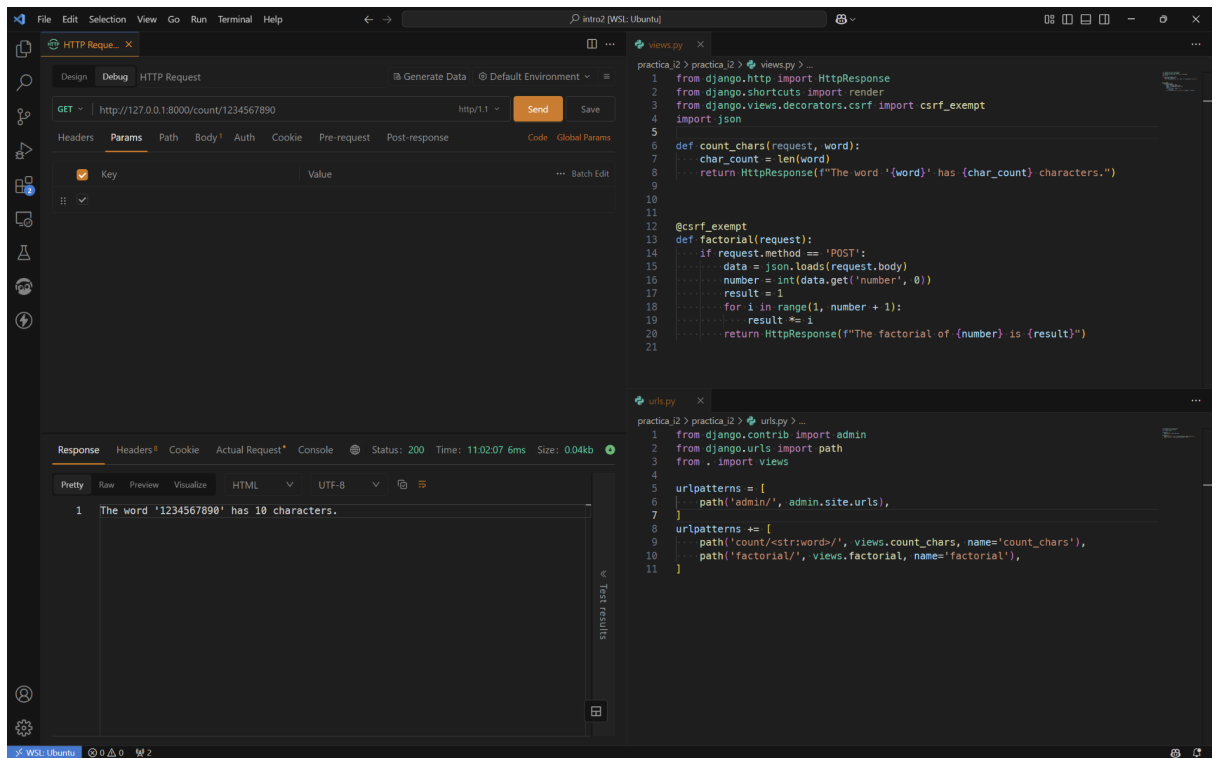
Universidad Nacional de Colombia - sede Bogotá
Facultad de Ingeniería
Departamento de Sistemas e Industrial
Curso: Ingeniería de Software 1 (2016701)

Profesor: Oscar Eduardo Alvarez Rodriguez

Estudiante: Nelson Ivan Castellanos Betancourt

Práctica usando Github Copilot

1. Una URL para obtener la cantidad de caracteres de una palabra con método GET, donde el usuario ingresa la palabra por URL



2. Una URL para obtener el factorial de un número con método POST (el usuario ingresa el número por medio del Body)

The screenshot displays the Visual Studio Code editor with a Django web application. The interface is divided into several panels:

- Left Panel:** Contains the REST client interface. The URL is `http://127.0.0.1:8000/factorial/`. The method is `POST`. The body is a JSON object: `{ "number": 5 }`. The response status is `200` and the message is `The factorial of 5 is 120`.
- Right Panel:** Contains the Python code for the Django application. The code defines a `count_chars` function and a `factorial` function. The `factorial` function uses a loop to calculate the factorial of a given number.
- Bottom Panel:** Contains the Django settings for the application. The `urlpatterns` list includes the `factorial` view.

```
1 from django.http import HttpResponse
2 from django.shortcuts import render
3 from django.views.decorators.csrf import csrf_exempt
4 import json
5
6 def count_chars(request, word):
7     char_count = len(word)
8     return HttpResponse(f"The word '{word}' has {char_count} characters.")
9
10
11 @csrf_exempt
12 def factorial(request):
13     if request.method == 'POST':
14         data = json.loads(request.body)
15         number = int(data.get('number', 0))
16         result = 1
17         for i in range(1, number + 1):
18             result *= i
19         return HttpResponse(f"The factorial of {number} is {result}")
20
21
22 urlpatterns = [
23     path('admin/', admin.site.urls),
24 ]
25
26 urlpatterns += [
27     path('count/<str:word>/', views.count_chars, name='count_chars'),
28     path('factorial/', views.factorial, name='factorial'),
29 ]
```