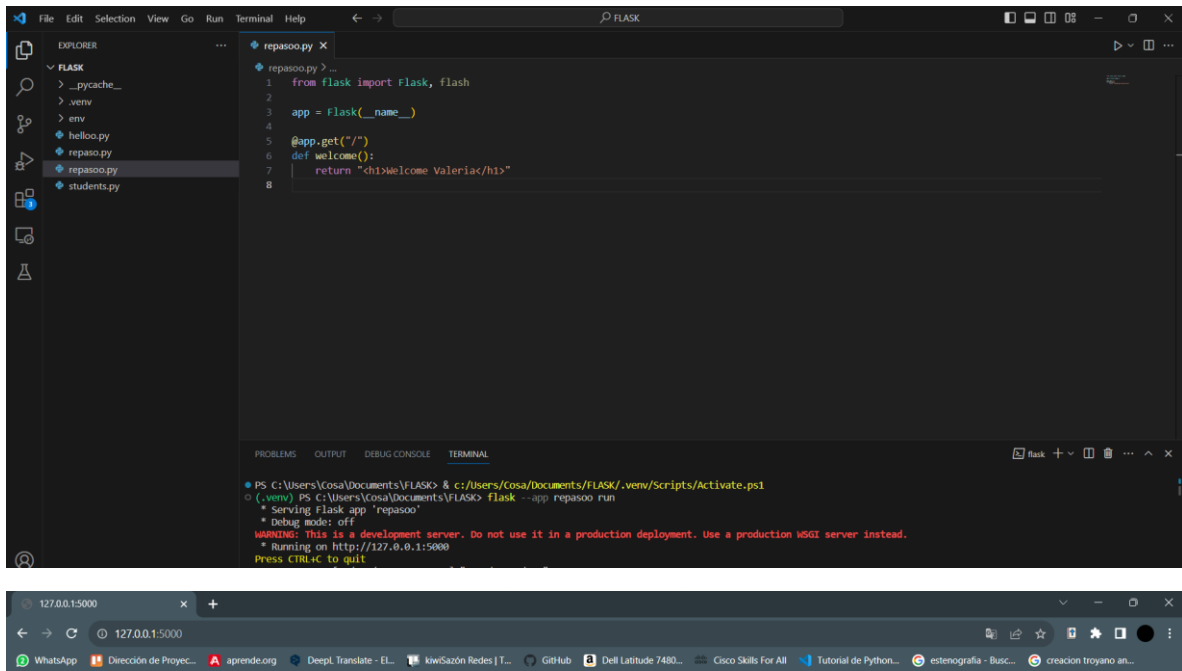


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REPASO

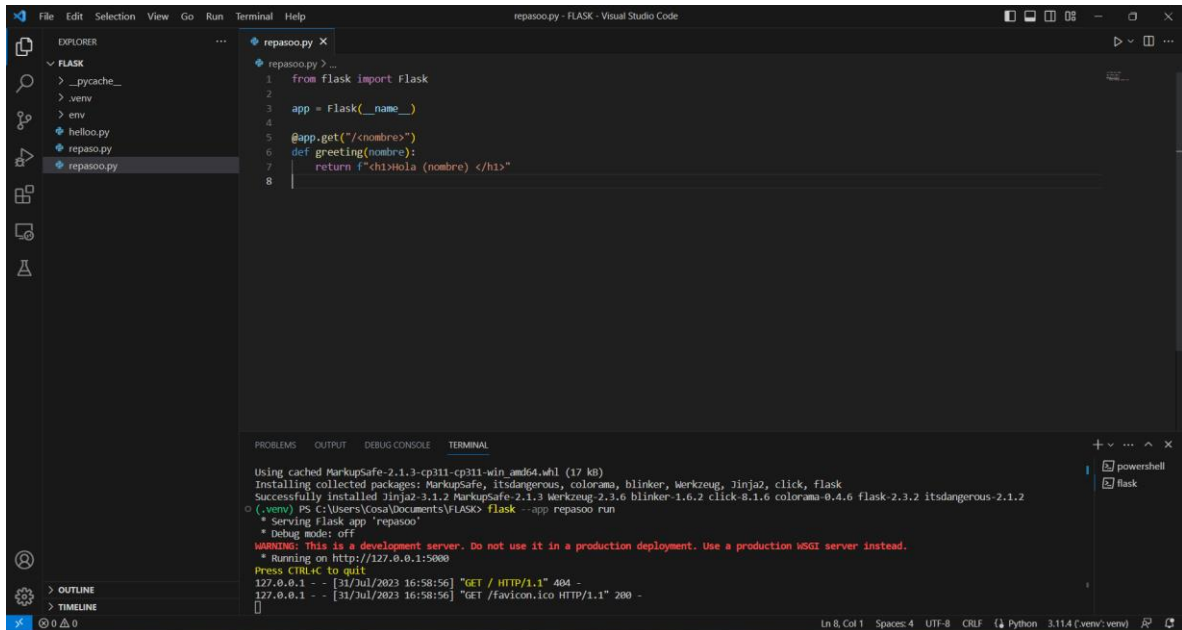


The screenshot displays a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a file tree for a project named 'FLASK', containing files like 'repasoo.py' and 'students.py'. The main editor area shows the code for 'repasoo.py', which is a simple Flask application. The code imports Flask and flash, creates an app, and defines a route for the root path that returns a welcome message. The bottom panel shows the terminal output, which includes the command to run the application and the resulting output, including a warning about the development server.

```
repasoo.py X
repasoo.py > ...
1 from flask import Flask, flash
2
3 app = Flask(__name__)
4
5 @app.get("/")
6 def welcome():
7     return "<h1>Welcome Valeria</h1>"
8
```

```
PS C:\Users\Cosa\Documents\FLASK> & c:/Users/Cosa/Documents/FLASK/.venv/Scripts/Activate.ps1
(.venv) PS C:\Users\Cosa\Documents\FLASK> flask --app repasoo run
* Serving Flask app 'repasoo'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
```

Welcome Valeria



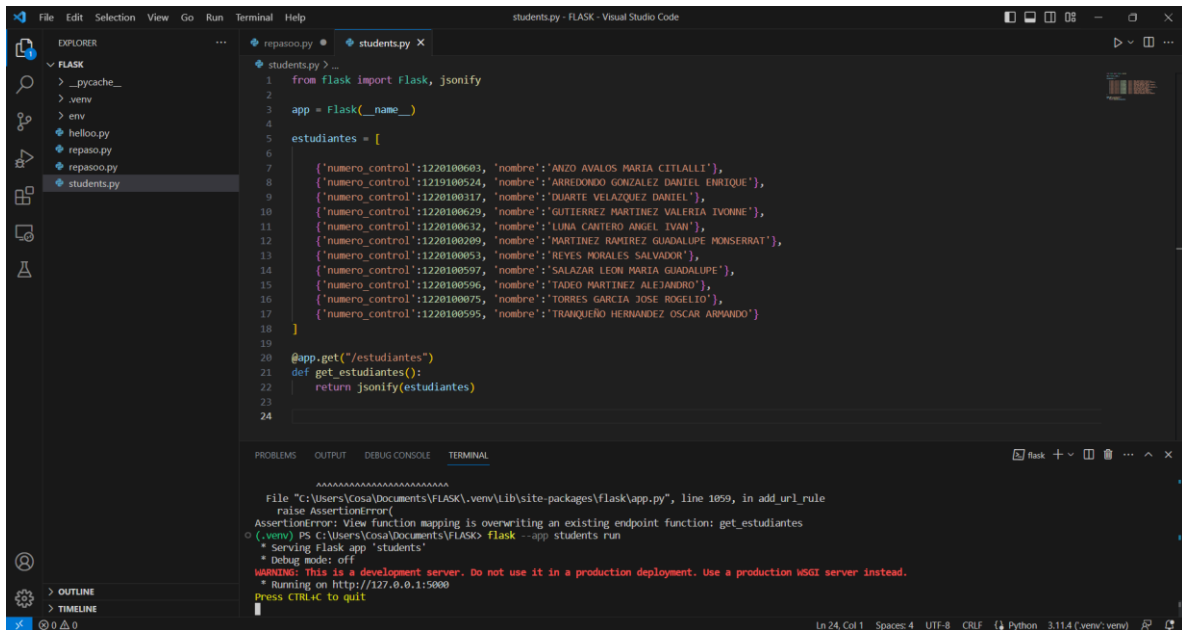
The screenshot shows the Visual Studio Code interface with the 'repasoo.py' file open. The Explorer panel on the left shows the project structure with files like 'repasoo.py', 'helloo.py', and 'repasoo.py'. The main editor displays the code for 'repasoo.py', which imports Flask and defines a 'greeting' function. The Terminal panel at the bottom shows the output of running the application, including package installation messages and a warning about the development server.

```
repasoo.py X
1 from flask import Flask
2
3 app = Flask(__name__)
4
5 @app.get("/<nombre>")
6 def greeting(nombre):
7     return f"<hi>Hola (nombre) </hi>"
8
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Using cached MarkupSafe-2.1.3-cp311-cp311-win_amd64.whl (17 kB)
Installing collected packages: MarkupSafe, itsdangerous, colorama, blinker, Werkzeug, Jinja2, click, flask
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.3 Werkzeug-2.3.6 blinker-1.6.2 click-8.1.6 colorama-0.4.6 flask-2.3.2 itsdangerous-2.1.2
O (.venv) PS C:\Users\Cosa\Documents\FLASKO flask --app repasoo run
* Serving Flask app 'repasoo'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [31/Jul/2023 16:58:56] "GET / HTTP/1.1" 404 -
127.0.0.1 - - [31/Jul/2023 16:58:56] "GET /favicon.ico HTTP/1.1" 200 -

Estudiantes



The screenshot shows the Visual Studio Code interface with the 'students.py' file open. The Explorer panel on the left shows the project structure with files like 'students.py', 'helloo.py', and 'repasoo.py'. The main editor displays the code for 'students.py', which imports Flask and jsonify, and defines a 'get_estudiantes' function. The Terminal panel at the bottom shows the output of running the application, including package installation messages and a warning about the development server.

```
students.py X
1 from flask import Flask, jsonify
2
3 app = Flask(__name__)
4
5 estudiantes = [
6
7     {"numero_control":1220100603, "nombre":'ANZO AVALOS MARIA CITLALLI'},
8     {"numero_control":1219100524, "nombre":'ARREDONDO GONZALEZ DANIEL ENRIQUE'},
9     {"numero_control":1220100317, "nombre":'DUARTE VELAZQUEZ DANIEL'},
10    {"numero_control":1220100629, "nombre":'GUTIERREZ MARTINEZ VALERIA IVONNE'},
11    {"numero_control":1220100632, "nombre":'LUNA CANTERO ANGEL IVAN'},
12    {"numero_control":1220100209, "nombre":'MARTINEZ RAMIREZ GUADALUPE MONSERRAT'},
13    {"numero_control":1220100053, "nombre":'REYES MORALES SALVADOR'},
14    {"numero_control":1220100597, "nombre":'SALAZAR LEON MARIA GUADALUPE'},
15    {"numero_control":1220100596, "nombre":'TADEO MARTINEZ ALEJANDRO'},
16    {"numero_control":1220100075, "nombre":'TORRES GARCIA JOSE ROGELIO'},
17    {"numero_control":1220100595, "nombre":'TRANQUERO HERNANDEZ OSCAR ARMANDO'}
18 ]
19
20 @app.get("/estudiantes")
21 def get_estudiantes():
22     return jsonify(estudiantes)
23
24
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

File "C:\Users\Cosa\Documents\FLASKO\.venv\Lib\site-packages\flask\app.py", line 1059, in add_url_rule
raise AssertionError(
AssertionError: View function mapping is overwriting an existing endpoint function: get_estudiantes
O (.venv) PS C:\Users\Cosa\Documents\FLASKO flask --app students run
* Serving Flask app 'students'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit

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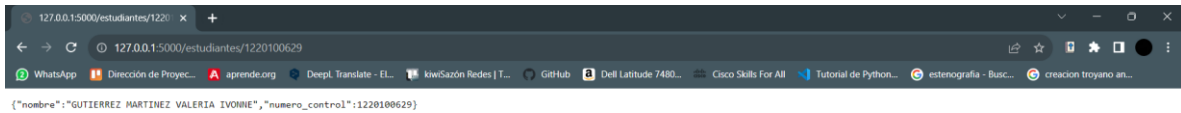
```
127.0.0.1:5000/estudiantes
[{"nombre": "ANZO AVALOS MARIA CITLALLI", "numero_control": 1220100603}, {"nombre": "ARREDONDO GONZALEZ DANIEL ENRIQUE", "numero_control": 1219100524}, {"nombre": "DUARTE VELAZQUEZ DANIEL", "numero_control": 1220100317}, {"nombre": "GUTIERREZ MARTINEZ VALERIA IVONNE", "numero_control": 1220100629}, {"nombre": "LUNA CANTERO ANGEL IVAN", "numero_control": 1220100632}, {"nombre": "MARTINEZ RAMIREZ GUADALUPE MONSERRAT", "numero_control": 1220100209}, {"nombre": "REYES MORALES SALVADOR", "numero_control": 1220100053}, {"nombre": "SALAZAR LEON MARIA GUADALUPE", "numero_control": 1220100597}, {"nombre": "TADEO MARTINEZ ALEJANDRO", "numero_control": 1220100595}, {"nombre": "TORRES GARCIA JOSE ROGELIO", "numero_control": 1220100075}, {"nombre": "TRANQUELO HERNANDEZ OSCAR ARMANDO", "numero_control": 1220100595}]
```

NUM. CONTROL

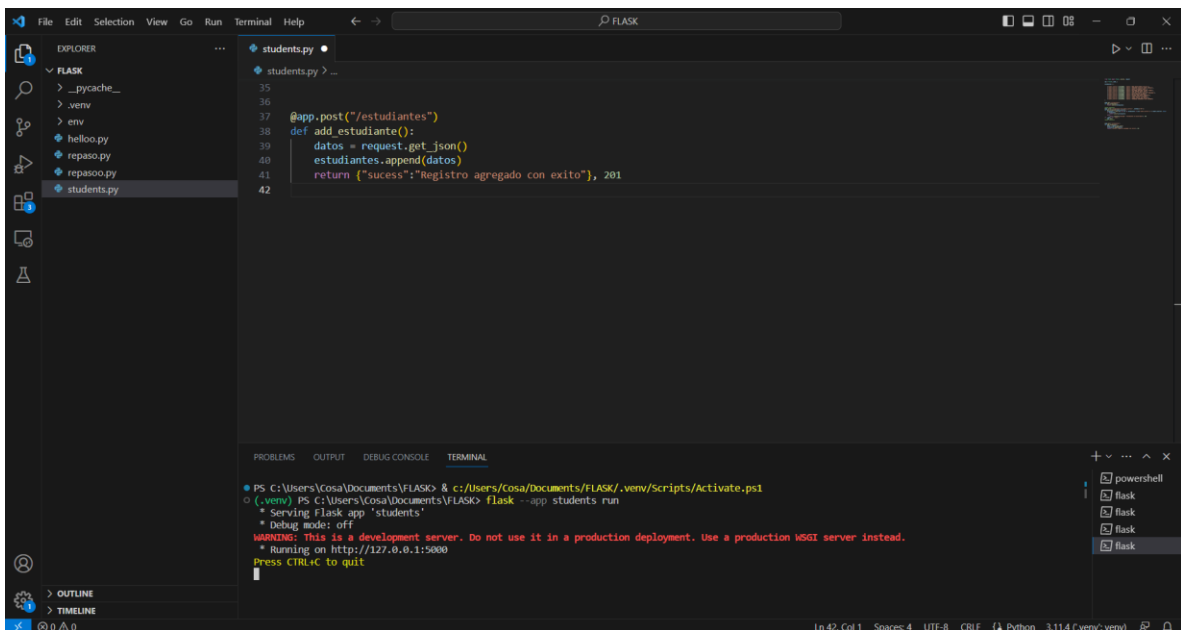
```
students.py
13 { 'numero_control': 1220100053, 'nombre': 'REYES MORALES SALVADOR',
14     'numero_control': 1220100597, 'nombre': 'SALAZAR LEON MARIA GUADALUPE' },
15 { 'numero_control': 1220100596, 'nombre': 'TADEO MARTINEZ ALEJANDRO' },
16 { 'numero_control': 1220100075, 'nombre': 'TORRES GARCIA JOSE ROGELIO' },
17 { 'numero_control': 1220100595, 'nombre': 'TRANQUELO HERNANDEZ OSCAR ARMANDO' }
18 ]
19
20 @app.get("/estudiantes")
21 def get_estudiantes():
22     return jsonify(estudiantes)
23
24 #QUEDA PENDIENTE
25 @app.route("/estudiantes/<int:numero_control>", methods=['GET'])
26 def get_estudiante(numero_control):
27     estudiante = next((est for est in estudiantes if est['numero_control'] == numero_control), None)
28     if estudiante:
29         return jsonify(estudiante)
30     else:
31         return jsonify({"message": "Estudiante no encontrado"}), 404
32 if __name__ == '__main__':
33     app.run()
34 #QUEDA PENDIENTE
35
36
37 @app.post("/estudiantes")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Users\Cosa\Documents\FLASK> & c:\Users\Cosa\Documents\FLASK\.venv\Scripts\Activate.ps1
(.venv) PS C:\Users\Cosa\Documents\FLASK> flask --app students run
* Serving Flask app 'students'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [04/Aug/2023 14:21:14] "GET /estudiantes HTTP/1.1" 200 -
127.0.0.1 - - [04/Aug/2023 14:21:28] "GET /estudiantes/1220100629 HTTP/1.1" 200 -
```

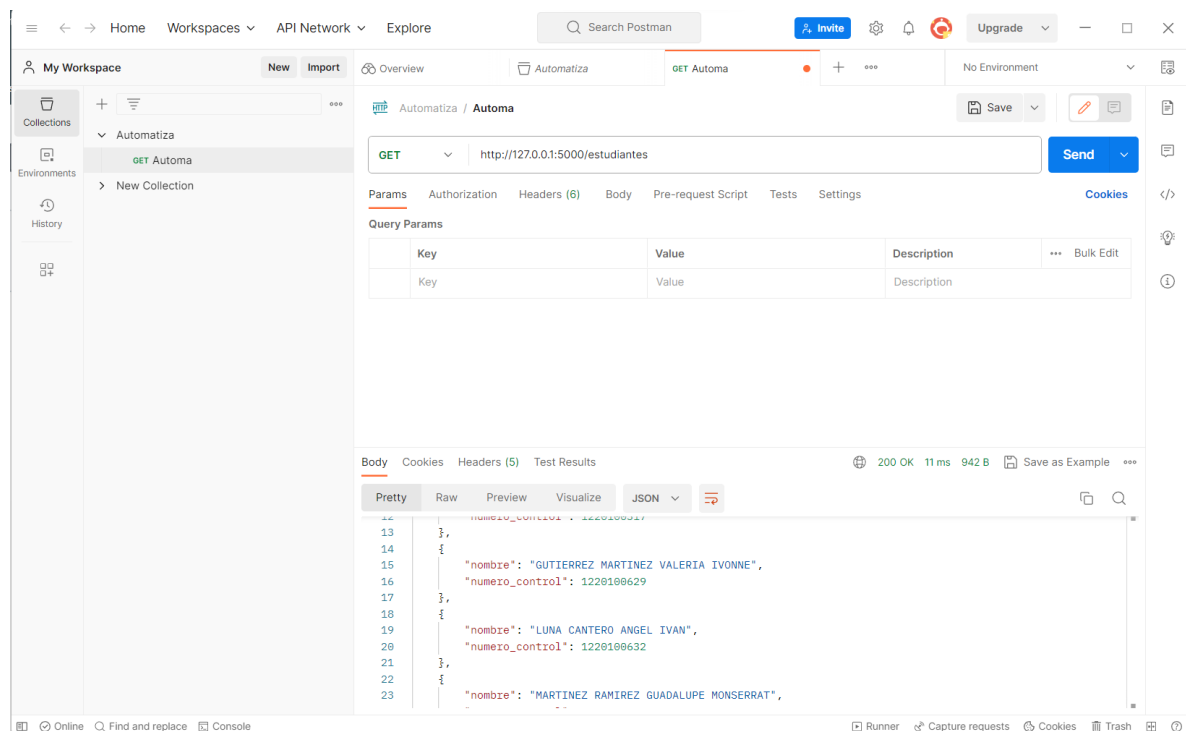
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POSTMAN



GET

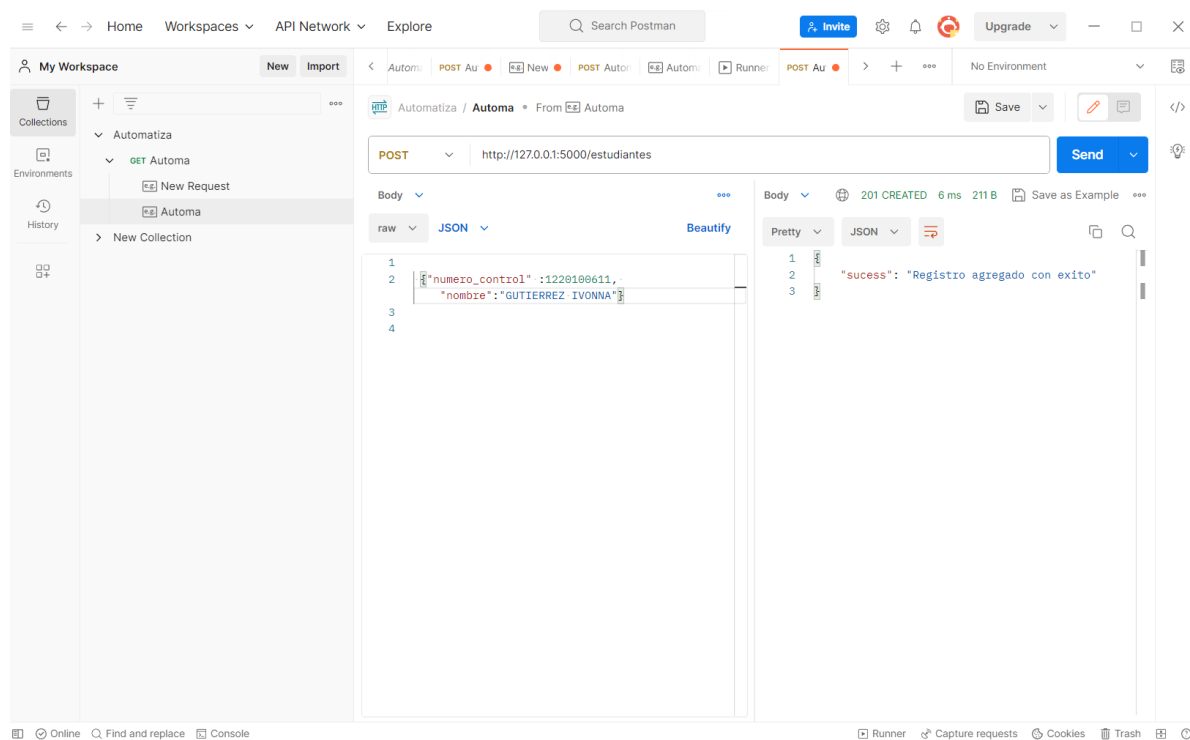


The screenshot shows the Postman interface with a GET request to `http://127.0.0.1:5000/estudiantes`. The response is a JSON array of three student records. The status is 200 OK, 11 ms, 942 B.

Key	Value	Description
Key	Value	Description

```
13  },
14  {
15    "nombre": "GUTIERREZ MARTINEZ VALERIA IVONNE",
16    "numero_control": 1228188629
17  },
18  {
19    "nombre": "LUNA CANTERO ANGEL IVAN",
20    "numero_control": 1228188632
21  },
22  {
23    "nombre": "MARTINEZ RAMIREZ GUADALUPE MONSERRAT",
```

POST



The screenshot shows the Postman interface with a POST request to `http://127.0.0.1:5000/estudiantes`. The request body is a JSON object with `numero_control` and `nombre` fields. The response is a JSON object with a `sucess` (sic) field. The status is 201 CREATED, 6 ms, 211 B.

```
1
2  {
3    "numero_control": 1228188611,
4    "nombre": "GUTIERREZ IVONNA"
5  }
```

```
1  "sucess": "Registro agregado con exito"
2
3
```

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The screenshot shows the Postman application interface. The top bar includes navigation links (Home, Workspaces, API Network, Explore), a search bar, and utility buttons (Invite, Upgrade). The left sidebar displays the 'My Workspace' with a collection named 'Automatiza' containing a request 'GET Automa'. The main panel shows a GET request to 'http://127.0.0.1:5000/estudiantes'. The response body is displayed in JSON format, showing a list of student records. The status bar at the bottom indicates the request was successful (200 OK) and provides options like 'Runner', 'Capture requests', 'Cookies', and 'Trash'.

GET http://127.0.0.1:5000/estudiantes

Body: raw JSON

```
1  {
2    "numero_control": 1220100611,
3    "nombre": "GUTIERREZ IVONNA"
4  }
```

Body: Pretty JSON

```
25  },
26  {
27    "nombre": "REYES MORALES SALVADOR",
28    "numero_control": 1220100653
29  },
30  {
31    "nombre": "SALAZAR LEON MARIA
32    GUADALUPE",
33    "numero_control": 1220100597
34  },
35  {
36    "nombre": "TADEO MARTINEZ ALEJANDRO",
37    "numero_control": 1220100596
38  },
39  {
40    "nombre": "TORRES GARCIA JOSE ROGELIO",
41    "numero_control": 1220100075
42  },
43  {
44    "nombre": "TRANQUEÑO HERNANDEZ OSCAR
45    ARMANDO",
46    "numero_control": 1220100595
47  },
48  {
49    "nombre": "GUTIERREZ IVONNA",
50    "numero_control": 1220100611
51  }
```