

# Project - Debug the Note -Taking Application

## TASK:

Refactor the code and try to make sure the application works properly.

## MORE DETAILS :

Home route contains a 'text field' and a 'button'. User can add a note and all the notes will be displayed as an unordered list below the text field on the same page.

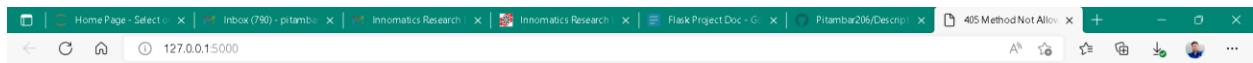
## Code before debugging:

```
app.py
1 from flask import Flask, render_template, request
2
3 app = Flask(__name__)
4
5 notes = []
6 @app.route('/', methods=["POST"])
7 def index():
8     note = request.args.get("note")
9     notes.append(note)
10    return render_template("home.html", notes=notes)
11
12
13 if __name__ == '__main__':
14     app.run(debug=True)
```

```
home.html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Document</title>
8 </head>
9 <body>
10     <form action="">
11         <input type="text" name="note" placeholder="Enter a note">
12         <button>Add Note</button>
13     </form>
14
15     <ul>
16         {% for note in notes%}
17         <li>{{ note }}</li>
18         {% endfor %}
19     </ul>
20 </body>
21 </html>
```

## Bug-1

When I initially run the code it will give



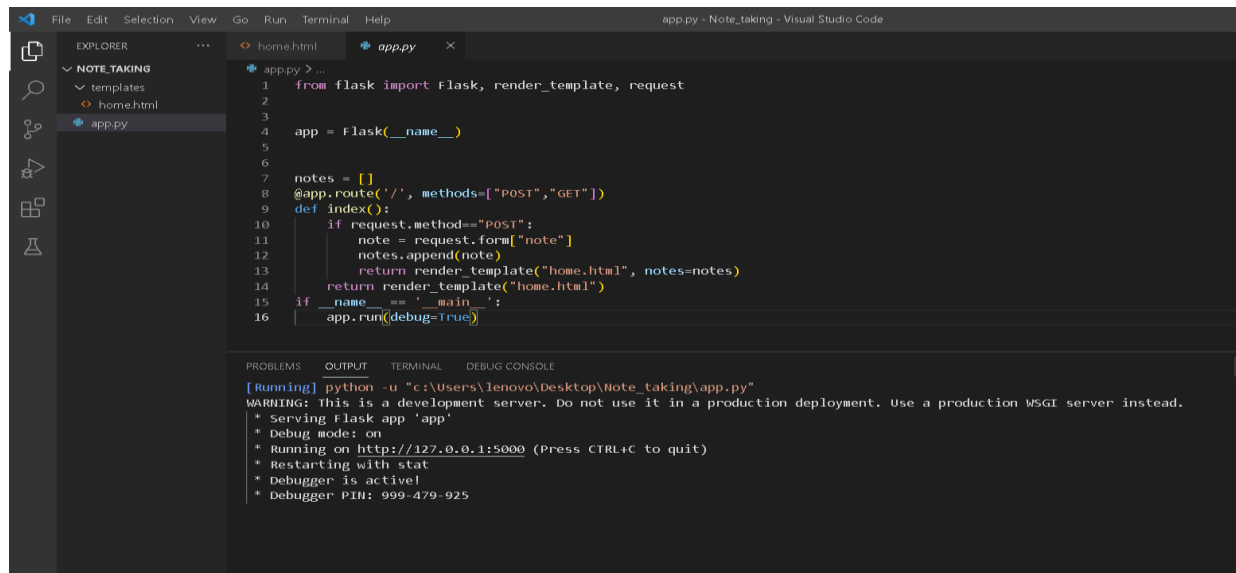
### Method Not Allowed

The method is not allowed for the requested URL..

- In app.py the method present in default route ('/') was a POST request but it is not mentioned in the index function .That's why the error is displayed like method is not allowed. By default ,it takes the GET request .To resolve the error I changed the method GET to POST and also change the argument from "request.args.get()" to "request.form[]" .

After Debugging code:

- Backend Modification:



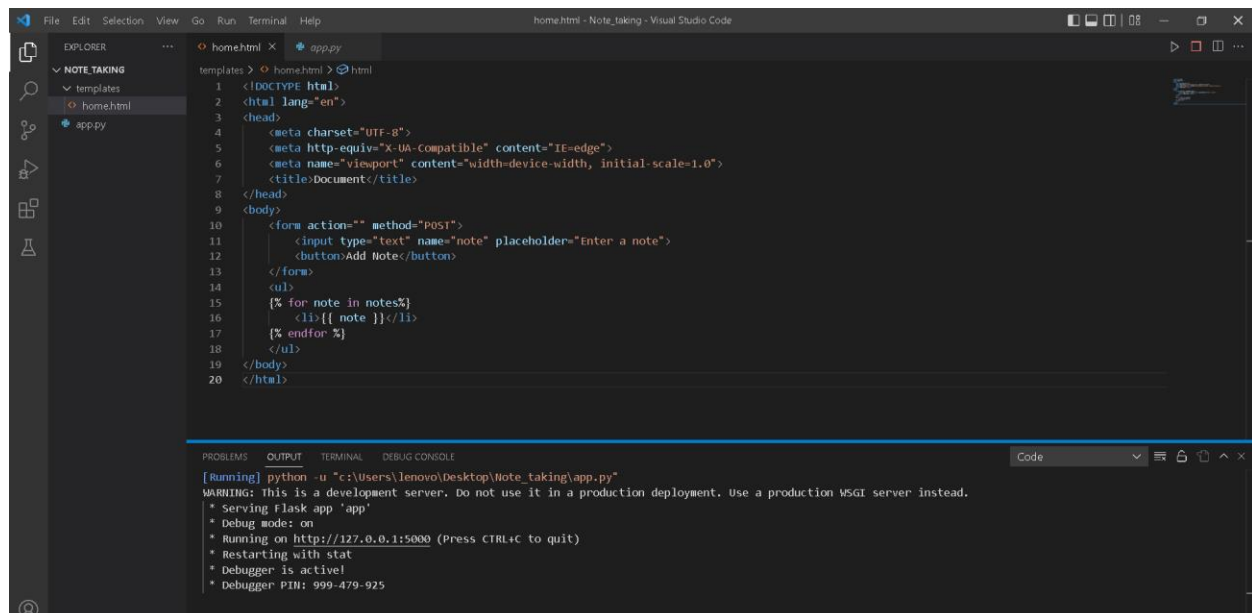
The screenshot shows the Visual Studio Code editor with the 'app.py' file open. The file contains the following Python code:

```
1 from flask import Flask, render_template, request
2
3
4 app = Flask(__name__)
5
6
7 notes = []
8 @app.route('/', methods=["POST", "GET"])
9 def index():
10     if request.method == "POST":
11         note = request.form["note"]
12         notes.append(note)
13         return render_template("home.html", notes=notes)
14     return render_template("home.html")
15 if __name__ == '__main__':
16     app.run(debug=True)
```

The terminal at the bottom shows the output of running the application:

```
[Running] python -u "c:\Users\lenovo\Desktop\Note_taking\app.py"
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Serving Flask app 'app'
* Debug mode: on
* Running on http://127.0.0.1:5000 (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 999-479-925
```

- Frontend Modification: The only change done in the frontend was method="POST"



The screenshot shows the Visual Studio Code editor with the 'home.html' file open. The file contains the following HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Document</title>
8 </head>
9 <body>
10     <form action="" method="POST">
11         <input type="text" name="note" placeholder="Enter a note">
12         <button>Add Note</button>
13     </form>
14     <ul>
15         {% for note in notes %}
16         <li>{{ note }}</li>
17         {% endfor %}
18     </ul>
19 </body>
20 </html>
```

The terminal at the bottom shows the same output as the previous screenshot, indicating the application is running successfully.

- The final Output is displayed as –

