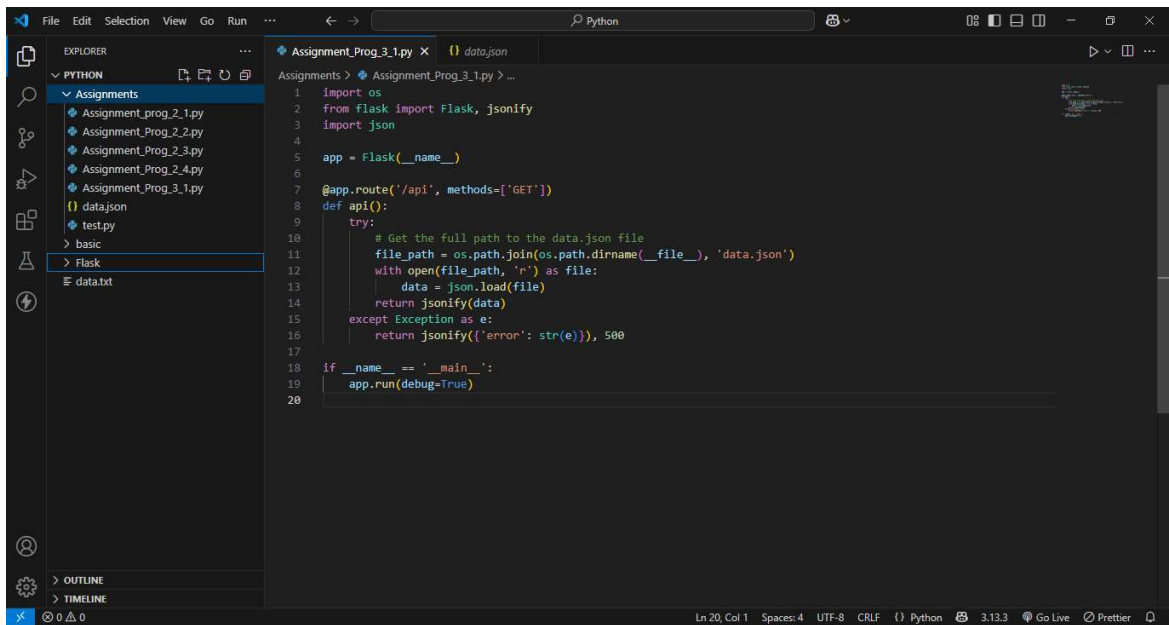


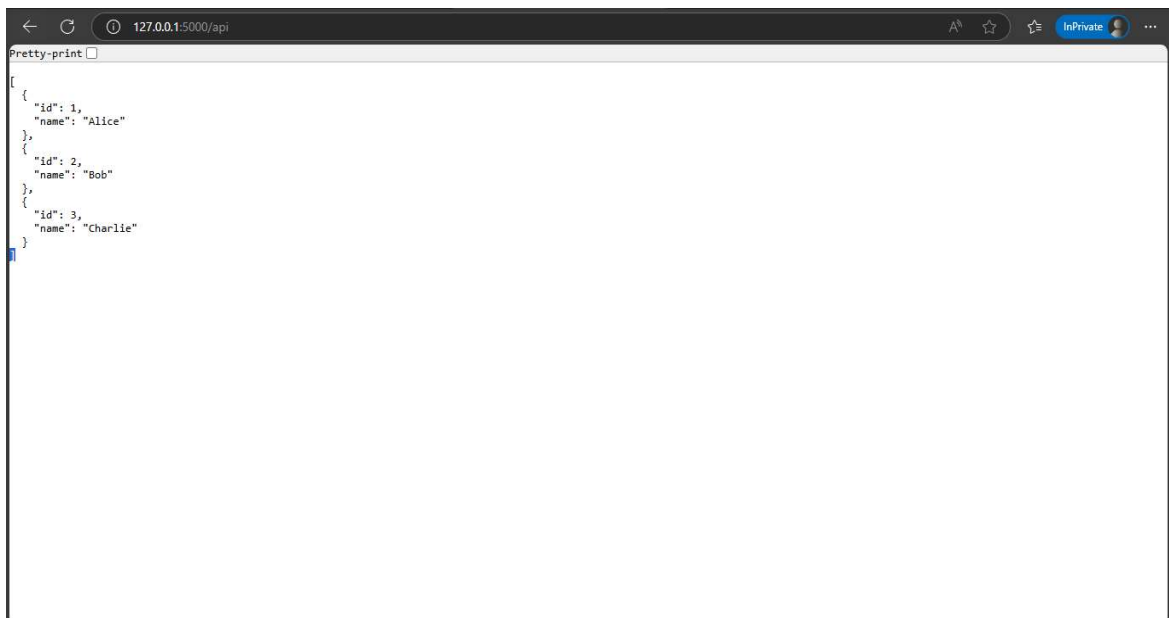
# ASSIGNMENT 3 – Flask and MongoDB

## 1. Creating Flask Application with API route.



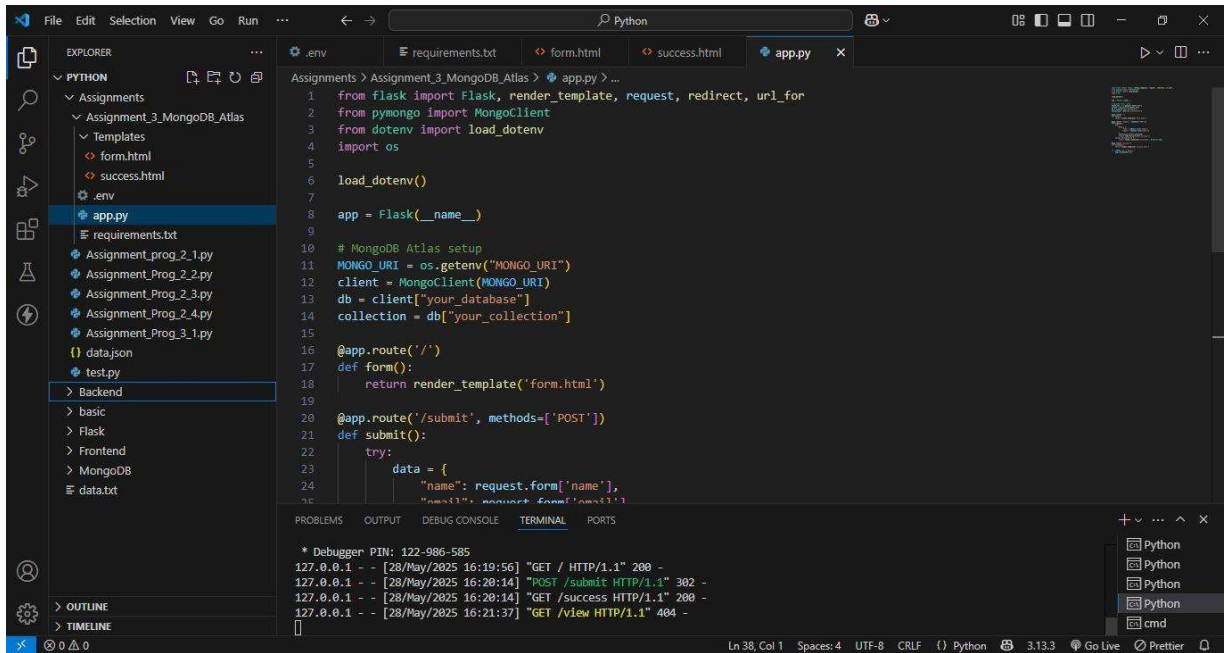
```
1 import os
2 from flask import Flask, jsonify
3 import json
4
5 app = Flask(__name__)
6
7 @app.route('/api', methods=['GET'])
8 def api():
9     try:
10         # Get the full path to the data.json file
11         file_path = os.path.join(os.path.dirname(__file__), 'data.json')
12         with open(file_path, 'r') as file:
13             data = json.load(file)
14         return jsonify(data)
15     except Exception as e:
16         return jsonify({'error': str(e)}), 500
17
18 if __name__ == '__main__':
19     app.run(debug=True)
20
```

## Resultant -



```
[
  {
    "id": 1,
    "name": "Alice"
  },
  {
    "id": 2,
    "name": "Bob"
  },
  {
    "id": 3,
    "name": "Charlie"
  }
]
```

## 2. Inserting Data in MongoDB Atlas



## Resultant -

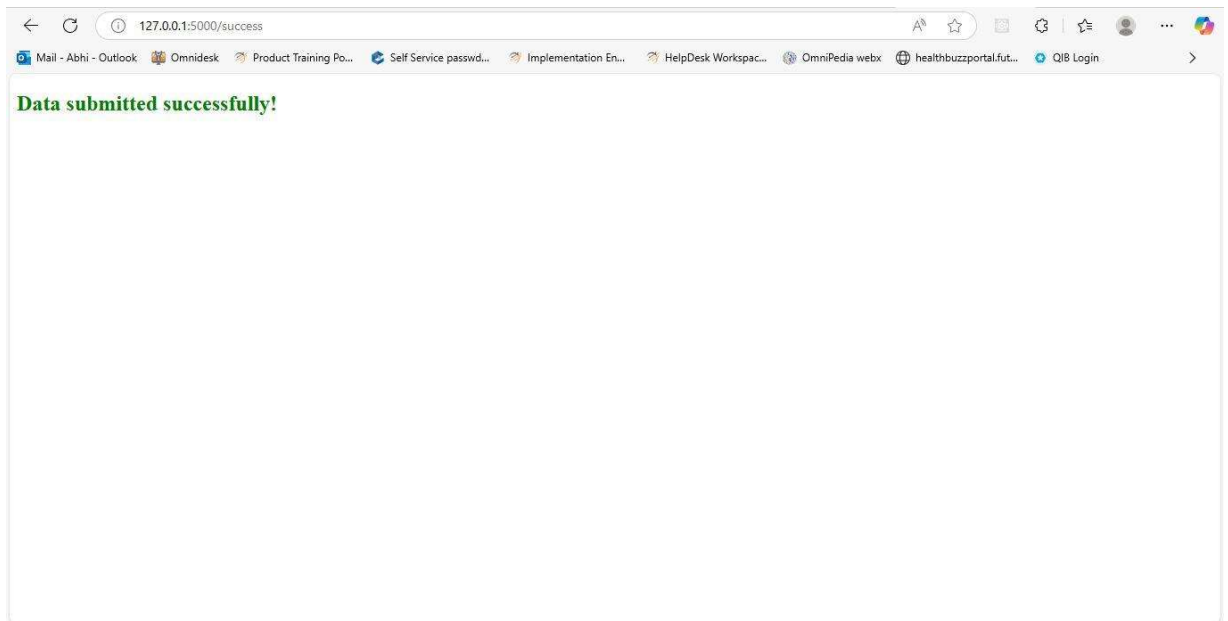
## Home page

### Submit Your Info

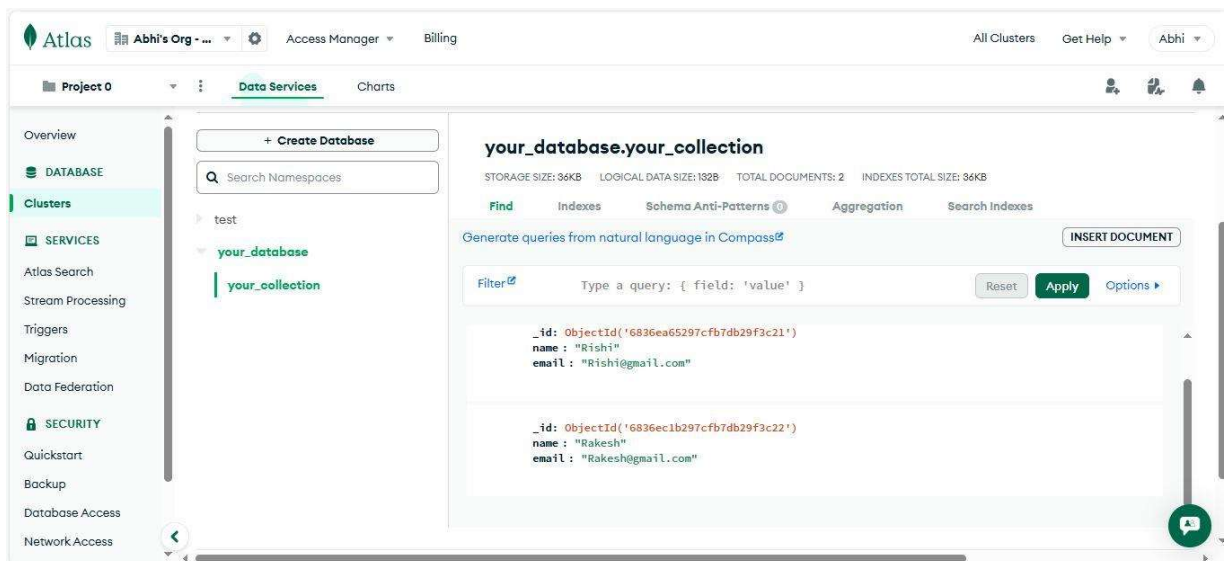
Name:

Email:

## After hitting the submit button -



## Entry in MongoDB Database -



## Display of Error (if any) during Submission of the data.

**Here, I have entered the wrong password of database to get this result.**

### Submit Your Info

bad auth : authentication failed, full error: {'ok': 0, 'errmsg': 'bad auth : authentication failed', 'code': 8000, 'codeName': 'AtlasError'}

Name:

Email: