

本项目基于python3.10的环境下 (不会下的可以求助舍友)

使用vscode (蓝色的)

使用之前需安装以下插件

The screenshot shows the Visual Studio Code interface with the Python extension installed and active. A red arrow points to the 'Python' extension icon in the sidebar, which is highlighted. Another red arrow points to the 'Python' tab in the bottom right corner of the editor area, also highlighting it. The code editor displays a Python script named 'app.py'. The status bar at the bottom right shows 'Python' and '3.10.0'.

```
def load_questions():
    path = os.path.join(os.path.dirname(__file__), 'questions.json')
    if not os.path.exists(path): return {"choice": [], "fill_in": [], "true_false": []}
    with open(path, 'r', encoding='utf-8') as f:
        return json.load(f)

@app.route('/')
def index():
    return render_template('index.html')

@app.route('/exam/')
def exam(paper_id):
    data = load_questions()
    # 随机选取所有的题目
    exam_data = [
        {"choice": [q for q in data['choice'] if q['paper_id'] == paper_id],
         "true_false": [q for q in data['true_false'] if q['paper_id'] == paper_id],
         "fill_in": [q for q in data['fill_in'] if q['paper_id'] == paper_id]}
    ]
    return render_template('exam.html', paper_id=paper_id, paper_exam_data=exam_data)

@app.route('/endless')
def endless():
    return render_template('endless.html')

def get_all_questions():
    # 因为有题目用于无尽模式
    data = load_questions()
    all_q = []
    # 读取所有
    for q in data['choice']:
        all_q.append({'q': q, 'category': '单选题'})
    for q in data['true_false']:
        all_q.append({'q': q, 'category': '判断题'})
    for q in data['fill_in']:
        all_q.append({'q': q, 'category': '填空题'})
    # 随机乱序
    random.shuffle(all_q)
    return jsonify(all_q)

if __name__ == '__main__':
    app.run(debug=True, port=5000)
```

1点这里运行

2点这里 **CTRL+左键单击**

退出时按**CTRL+c**

```
1 from flask import Flask, render_template, jsonify
2 import json
3 import os
4 import random
5
6 app = Flask(__name__)
7
8 def load_questions():
9     path = os.path.abspath('questions.json')
10    if not os.path.exists(path): return {"choice": [], "fill_in": [], "true_false": []}
11    with open(path, 'r', encoding='utf-8') as f:
12        return json.load(f)
13
14 @app.route('/')
15 def index():
16     return render_template('index.html')
17
18 @app.route('/exam<paper_id>')
19 def exam(paper_id):
20     data = load_questions()
21     # 筛选出试卷的所有题目
22     exam_data = [
23         "choice": [q for q in data['choice'] if q['paper_id'] == paper_id],
24         "true_false": [q for q in data['true_false'] if q['paper_id'] == paper_id],
25         "fill_in": [q for q in data['fill_in'] if q['paper_id'] == paper_id]
26     ]
27
28     return render_template('exam.html', paper_id=paper_id, paper=exam_data)
29
30 @app.route('/endless')
31 def endless_mode():
32     return render_template('endless.html')
33
34 @app.route('/api/all_questions')
35 def get_all_questions():
36     ...
37
38 if __name__ == '__main__':
39     app.run(debug=True)
```