

# IMPLEMENTING WEB APPLICATION

## CREATE API's IN FLASK

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Project Name	CONTAINMENT ZONE ALERTING APPLICATION
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### flask.py

```
from flask import Flask, request
```

```
app = Flask(__name__)
```

```
food_items = { "1":"rice",
```

```
               "2":"beans",
```

```
               "3":"yam",
```

```
               "4":"plantain",
```

```
               "5":"potatoes",
```

```
               "6":"wheat"
```

```
    }
```

```
@app.route("/api")
```

```
def index():
```

```
    return "Hello form Flask API Server"
```

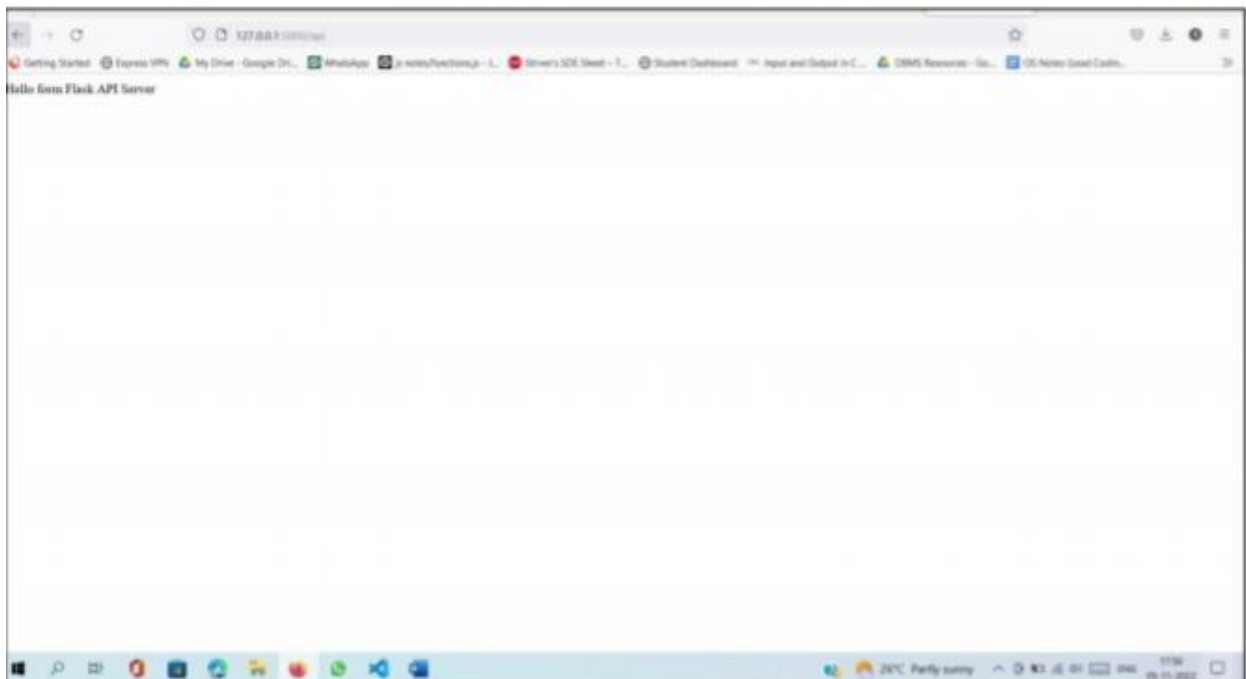
```
@app.route('/data', methods = ['POST', 'GET'])
```

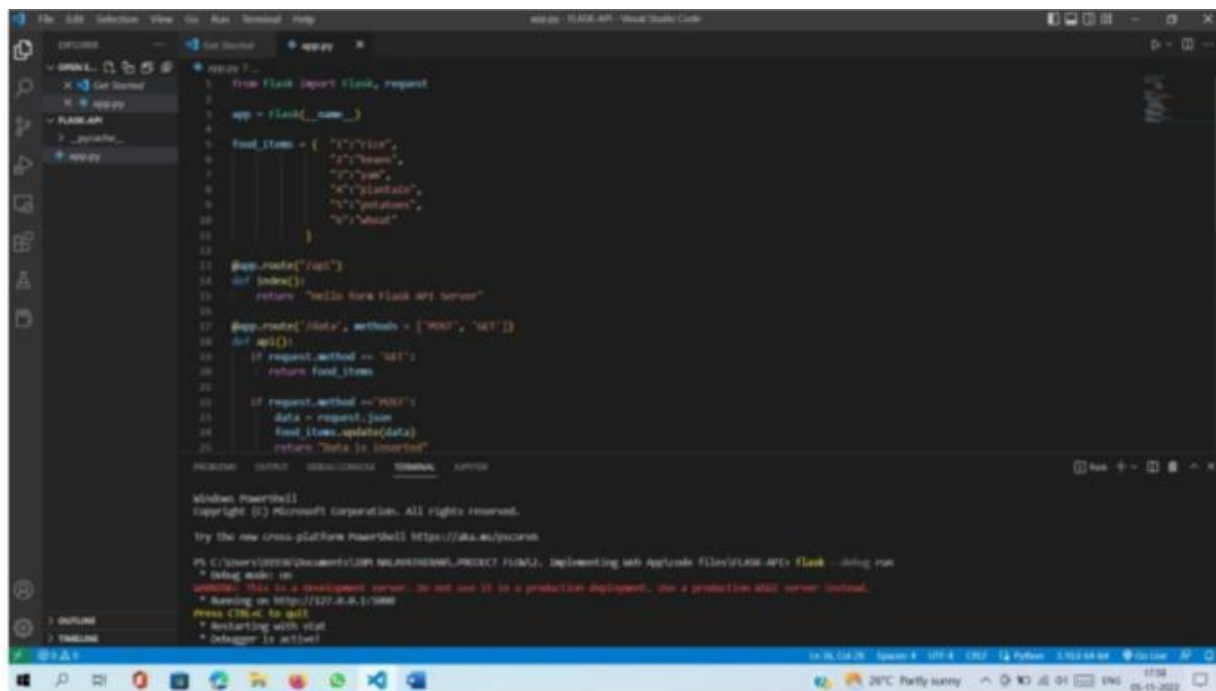
```
def api():
```

```
    if request.method == 'GET':
```

```
        return food_items
```

```
if request.method == 'POST':  
    data = request.json  
    food_items.update(data)  
    return "Data is inserted"  
  
@app.route("/data/<id>", methods=["PUT"])  
def update(id):  
    data = request.form['item']  
    food_items[str(id)]=data  
    return "Data updated"  
  
@app.route("/data/<id>", methods=["DELETE"])  
def delete(id):  
    food_items.pop(str(id))  
    return "Data Deleted"
```





The screenshot shows the Visual Studio Code editor with a file named `app.py` open. The code is a Flask application that defines a list of food items and implements two endpoints: `/api` and `/data`.

```
1 from flask import Flask, request
2
3 app = Flask(__name__)
4
5 food_items = [
6     {"id": "1", "name": "rice", "price": 10},
7     {"id": "2", "name": "beans", "price": 15},
8     {"id": "3", "name": "lentils", "price": 12},
9     {"id": "4", "name": "potatoes", "price": 8},
10    {"id": "5", "name": "wheat", "price": 10}
11]
12
13 @app.route("/api")
14 def index():
15     return "Hello from flask api server"
16
17 @app.route("/data", methods = ['POST', 'GET'])
18 def api():
19     if request.method == "GET":
20         return food_items
21
22     if request.method == "POST":
23         data = request.json
24         food_items.append(data)
25         return "Data is inserting"
```

Below the code editor, there is a terminal window showing the output of the application. It displays the Windows PowerShell prompt and the command `python app.py` being executed. The output shows the application running on `http://127.0.0.1:5000`.

