

Assignment 7

Code

```
from flask import Flask, jsonify, request

app = Flask(__name__)
num_win = 0
num_loss = 0
num_tie = 0

@app.route('/help', methods = ['GET'])
def help():
    return jsonify({'Routes available': [{ 'name': 'addwin', 'method': 'POST'}, { 'name': 'addloss', 'method': 'POST'}, { 'name': 'addtie', 'method': 'POST'}, { 'name': 'score', 'method': 'GET'}]})

@app.route('/addwin', methods = ['POST'])
def addwin():
    global num_win
    num_win+=1
    return jsonify({'Win Count': num_win})

@app.route('/addloss', methods = ['POST'])
def addloss():
    global num_loss
    num_loss+=1
    return jsonify({'Loss Count': num_loss})

@app.route('/addtie', methods = ['POST'])
def addtie():
    global num_tie
    num_tie+=1
    return jsonify({'Tie Count': num_tie})

@app.route('/score', methods = ['GET'])
def score():
    return jsonify({'Win': num_win, 'Loss': num_loss, 'Tie': num_tie})

# driver function
if __name__ == '__main__':
    app.run(debug = True)
```

Output

GET

http://127.0.0.1:5000/help

Send

Query

Headers²

Auth

Body

Tests

Query Parameters

☐

parameter

value

Status: 200 OKSize: 277 BytesTime: 5 ms

Response

Headers⁴

Cookies

Results

Docs^{New}

{}

≡

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

"Routes available": [

{

"method": "POST",

"name": "addwin"

},

{

"method": "POST",

"name": "addloss"

},

{

"method": "POST",

"name": "addtie"

},

{

"method": "GET",

"name": "score"

}

]

Copy

POST

http://127.0.0.1:5000/addwin

Send

Query

Headers²

Auth

Body

Tests

Query Parameters

☐

parameter

value

Status: 200 OKSize: 21 BytesTime: 4 ms

Response

Headers⁴

Cookies

Results

Docs^{New}

{}

≡

1

2

3

"Win Count": 2

POST

http://127.0.0.1:5000/addtie

Send

Query

Headers²

Auth

Body

Tests

Query Parameters

☐

parameter

value

Status: 200 OKSize: 21 BytesTime: 5 ms

Response

Headers⁴

Cookies

Results

Docs^{New}

{}

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1

2

3

"Tie Count": 1

POST

http://127.0.0.1:5000/addloss

Send

Query

Headers²

Auth

Body

Tests

Query Parameters

☐

parameter

value

Status: 200 OK

Size: 22 Bytes

Time: 6 ms

Response

Headers⁴

Cookies

Results

Docs^{New}

{ }

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1

2

3

"Loss Count": 4

GET

http://127.0.0.1:5000/score

Send

Query

Headers²

Auth

Body

Tests

Query Parameters

☐

parameter

value

Status: 200 OK

Size: 42 Bytes

Time: 5 ms

Response

Headers⁴

Cookies

Results

Docs^{New}

{ }

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1

2

3

4

5

"Loss": 4,

"Tie": 1,

"Win": 2