Install flask: in vs code terminal

py -m pip install flask

check version: py -m flask –version

**app.py**

from flask import Flask, request, jsonify

app = Flask(\_\_name\_\_)

@app.route('/add', methods=['POST'])

def add():

    data = request.get\_json()

    num1 = data['num1']

    num2 = data['num2']

    num3 = num1 + num2

    return jsonify({"result": num3})

@app.route('/multiply', methods=["POST"])

def multiply():

    data = request.get\_json()

    num1 = data['num1']

    num2 = data['num2']

    num3 = num1\*num2

    return jsonify({"result": num3})

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug=True)

**client.py**

import requests

url = 'http://127.0.0.1:5000/'

def add\_num(num1 , num2 ):

    endpoint = url + '/add'

    data = {"num1":num1, "num2":num2}

    response = requests.post(endpoint, json=data)

    result = response.json()['result']

    return result

def multiply\_num(num1, num2):

    endpoint = url + '/multiply'

    data = {"num1": num1, "num2": num2}

    response = requests.post(endpoint, json=data)

    result = response.json()["result"]

    return result

state = True

while(state):

    try:

        print("Enter the first number:")

        num1 = int(input())

        print("Enter the second number:")

        num2 = int(input())

        print("Do you want \n1.Add \n2. Multiply \n3. Exit")

        choice = int(input(""))

        if(choice==1):

            print(add\_num(num1, num2))

            print("Do you wish to continue? (Yes, No)")

            if (input().lower()=="no"):

                state=False

        elif(choice==2):

            print(multiply\_num(num1, num2))

            print("Do you wish to continue? (Yes, No)")

            if (input().lower()=="no"):

                state=False

        elif(choice==3):

            print("Thank you for using the service")

            state=False

        else:

            print("Invalid Input")

        if(state):

            print("New Calculation")

            print("\_"\*10,end="\n")

    except:

        print("Encounted Error")

        print("Restarting interface", end="\n")

If you get requests error in client: pip install requests

Terminal 1:

python app.py

Terminal 2:

python client.py