

Implementing Web Application

Creating APIs In Flask

Team ID	PNT2022TMID31287
Project Name	Containment Zone Alerting Application

```
from flask import Flask, request, jsonify

app = Flask(      name      )

@app.route('/')
def hello_world():
    return 'This is my first API call!'

@app.route('/post', methods=["POST"])
def testpost():
    input_json = request.get_json(force=True) dictToReturn = {'text':input_json['text']} return
    jsonify(dictToReturn)
```

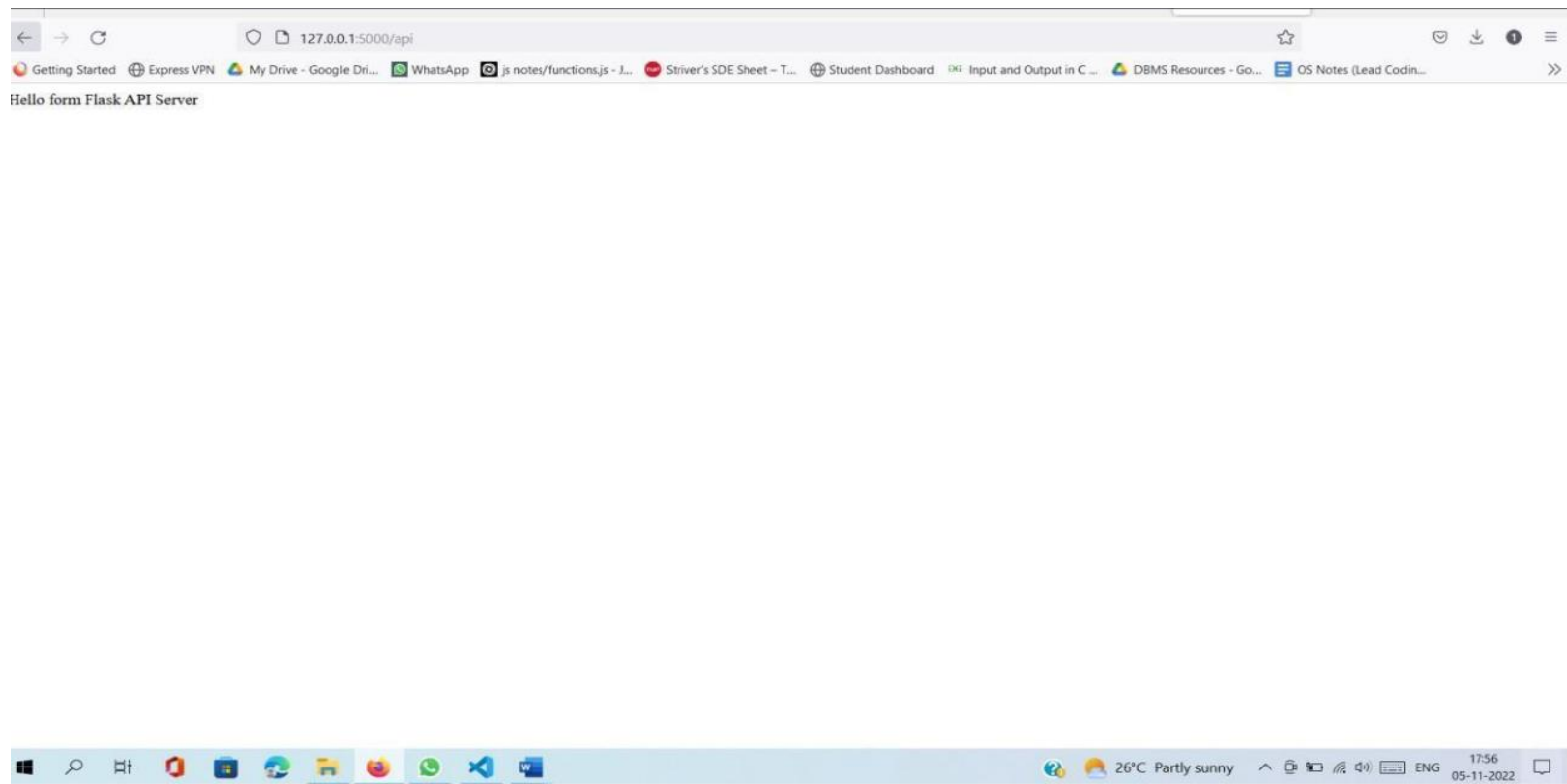
ALTER:

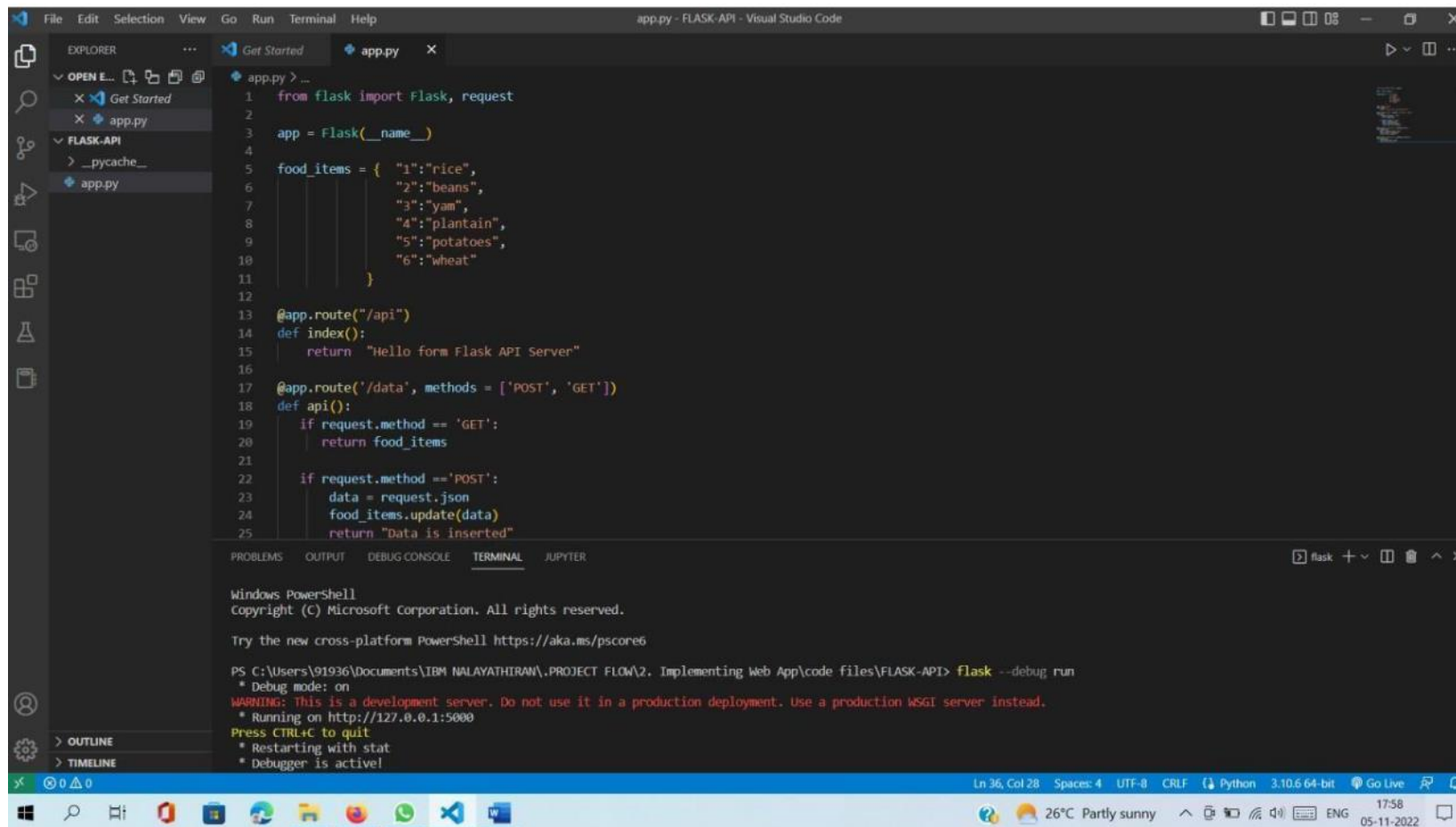
```
import os
import time
import datetime
import requests
import json
import flask
import boto3
import psycopg2
from flask import request
app = flask.Flask(      name      )
app.config["DEBUG"] = True
db_cred = os.environ['DB_CRED']
def connectToDb():
    conn = psycopg2.connect(db_cred)
    cur = conn.cursor()
    return conn, cur
def closeDbConnection(conn, cur):
    cur.close()
    conn.close()
```

```
def db_query(query):  
    conn, cur = connectToDb()  
    cur.execute(query)  
    res = cur.fetchall()  
    closeDbConnection(conn, cur)  
    return res
```

```
def db_insert(query, values):  
    conn, cur = connectToDb()  
    cur.execute(query, values)  
    conn.commit()  
    close
```

FLASK – API:





127.0.0.1:5000/data

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JSON Raw Data Headers

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```
{
  "1": "rice",
  "2": "beans",
  "3": "yam",
  "4": "plantain",
  "5": "potatoes",
  "6": "wheat"
}
```

Windows taskbar: 26°C Partly sunny 17:58 05-11-2022