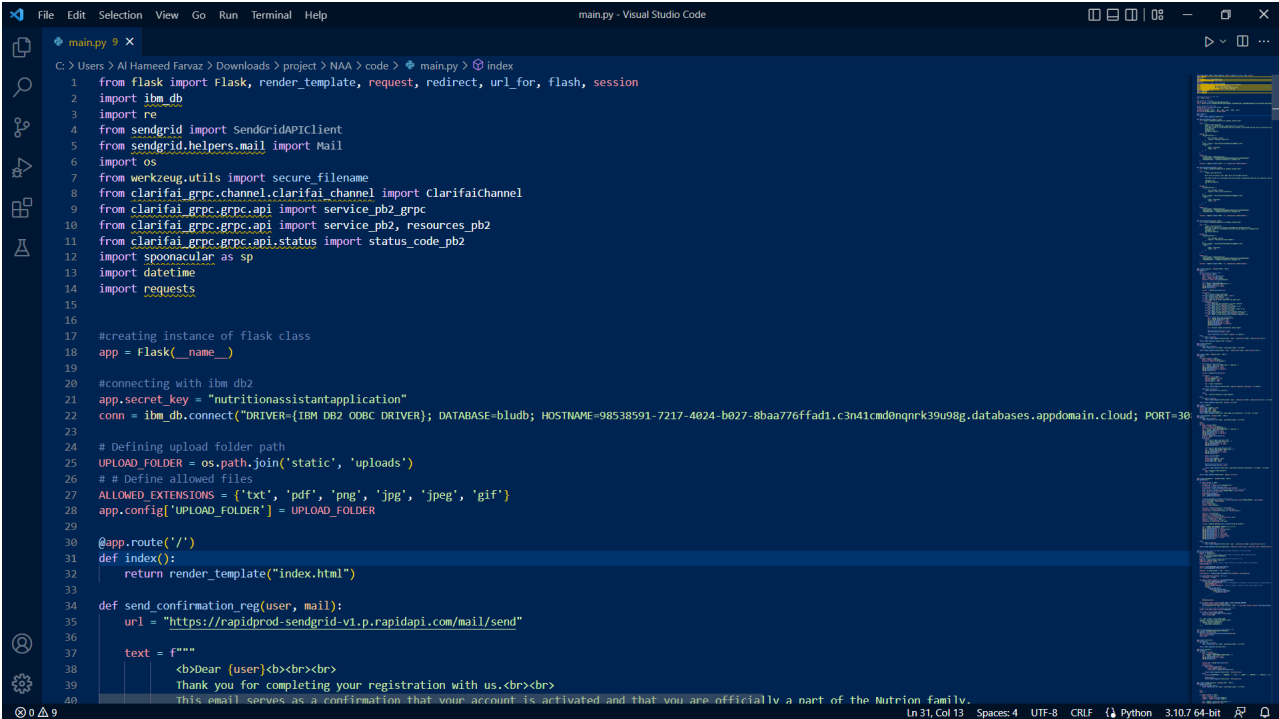# IMPLEMENTING WEB APPLICATION
CREATE IBM DB2 AND CONNECT WITH PYTHON

Team ID	PNT2022TMID44363
Project Name	Nutrition Assistant Application
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```python
from flask import Flask, render_template, request, redirect, url_for, flash, session
import ibm_db
import re
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail
import os
from werkzeug.utils import secure_filename
from clarifai_grpc.channel.clarifai_channel import ClarifaiChannel
from clarifai_grpc.grpc.api import service_pb2_grpc
from clarifai_grpc.grpc.api import service_pb2, resources_pb2
from clarifai_grpc.grpc.api.status import status_code_pb2
import spoonacular as sp
import datetime
import requests


#creating instance of flask class
app = Flask(__name__)

#connecting with ibm db2
app.secret_key = "nutritionassistantapplication"
conn = ibm_db.connect("DRIVER={IBM DB2 ODBC DRIVER}; DATABASE=bludb; HOSTNAME=98538591-7217-4024-b027-8baa776ffad1.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud; PORT=30

# Defining upload folder path
UPLOAD_FOLDER = os.path.join('static', 'uploads')
# # Define allowed files
ALLOWED_EXTENSIONS = {'txt', 'pdf', 'png', 'jpg', 'jpeg', 'gif'}
app.config['UPLOAD_FOLDER'] = UPLOAD_FOLDER

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

def send_confirmation_reg(user, mail):
    url = "https://rapidprod-sendgrid-v1.p.rapidapi.com/mail/send"

    text = f"""
        <b>Dear {user}<b><br><br>
        Thank you for completing your registration with us.<br><br>
        This email serves as a confirmation that your account is activated and that you are officially a part of the Nutrion family.
```