

DEPLOYMENT OF APP IN IBM CLOUD

Containerize the App

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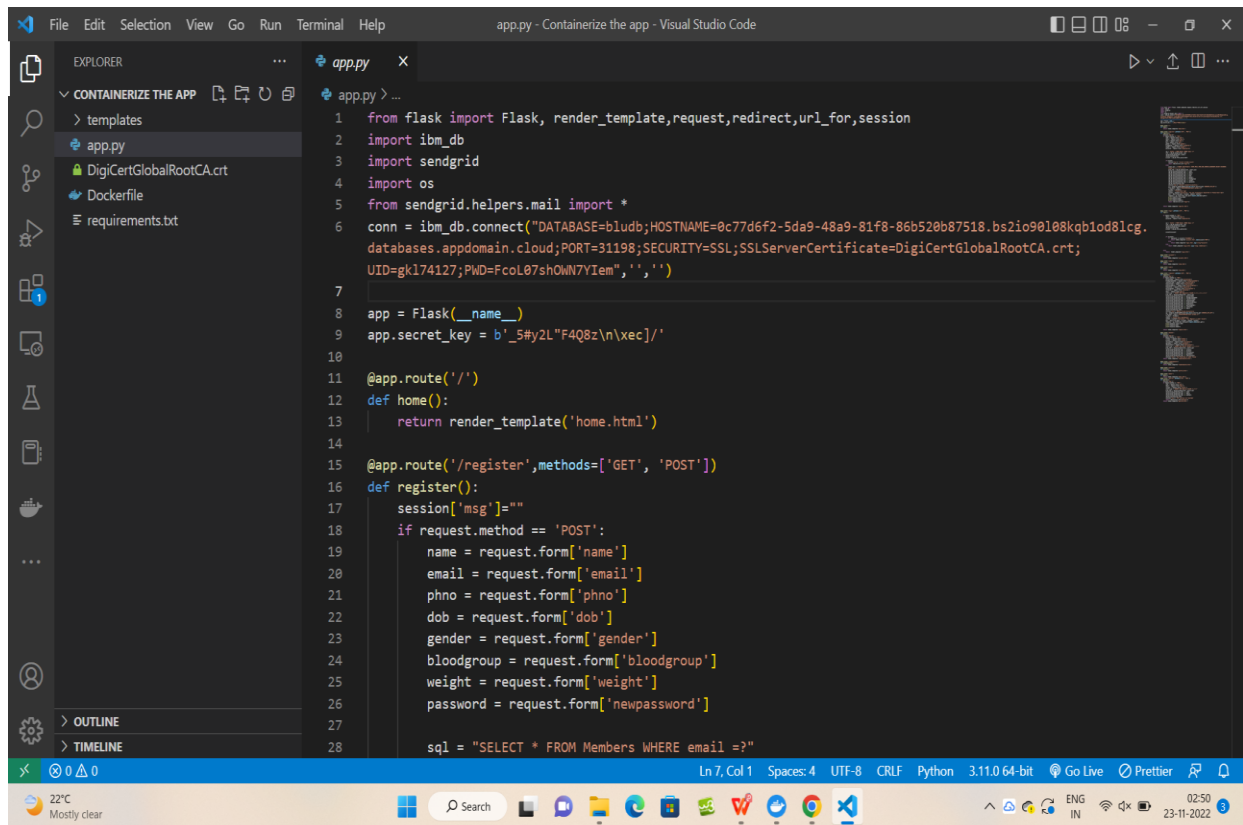
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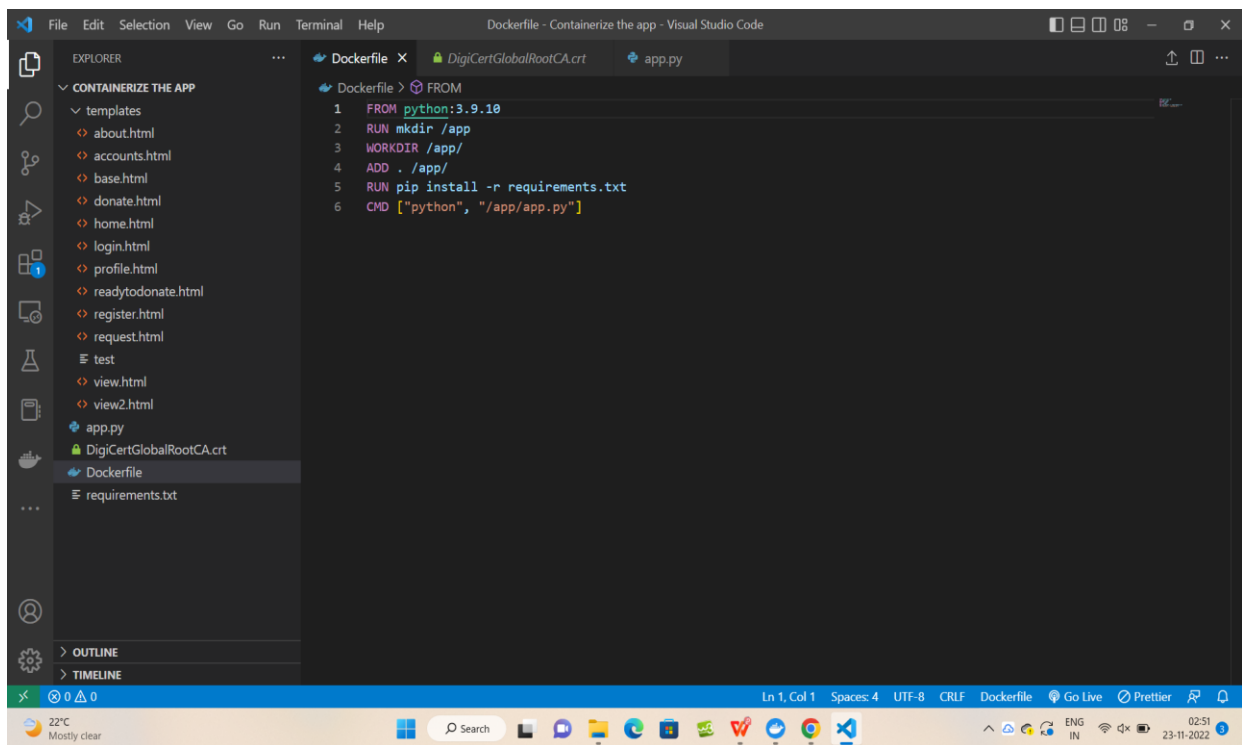
- CREATE A FLASK APP FOR PLASMA DONATION AND ADD DOCKER FILE AND NECESSARY REQUIREMENTS



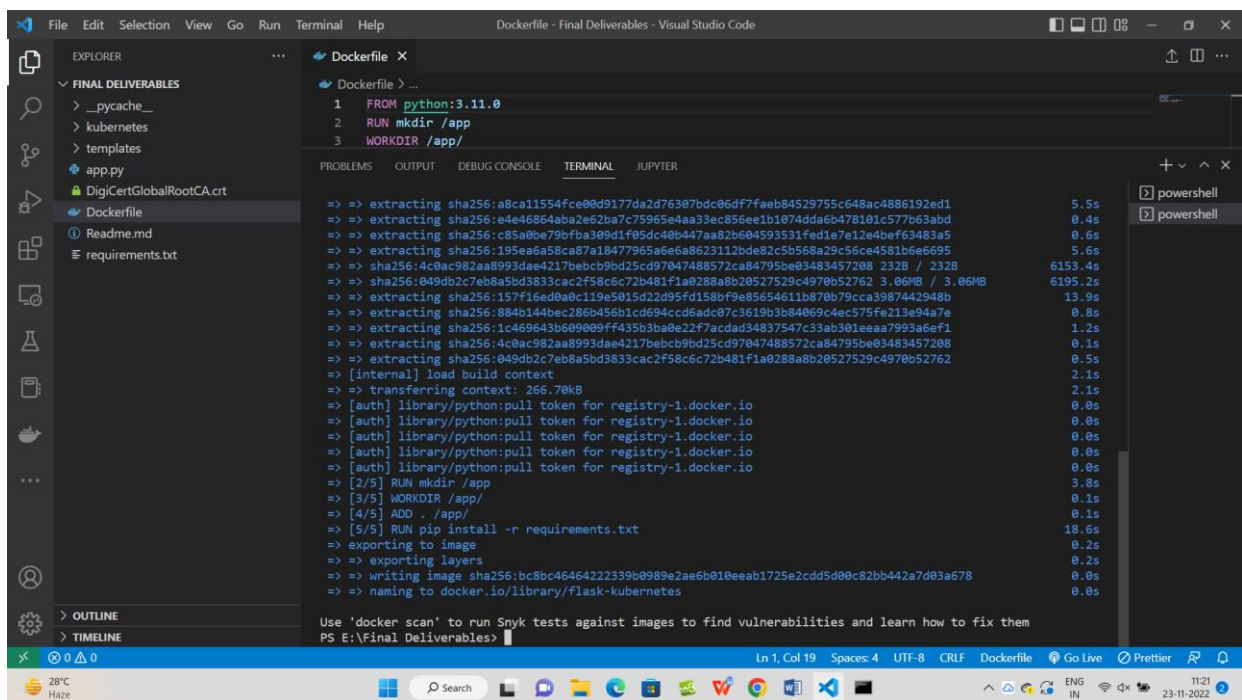
The screenshot displays the Visual Studio Code interface with a Python file named `app.py` open. The Explorer sidebar on the left shows a project structure with a folder named `CONTAINERIZE THE APP` containing `templates`, `app.py`, `Dockerfile`, and `requirements.txt`. The main editor shows the following Python code:

```
1 from flask import Flask, render_template, request, redirect, url_for, session
2 import ibm_db
3 import sendgrid
4 import os
5 from sendgrid.helpers.mail import *
6 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8-86b520b87518.bs2io90108kqb1od8lcg.
databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;
UID=gk174127;PWD=Fcol07sh0WN7YIem", '', '')
7
8 app = Flask(__name__)
9 app.secret_key = b'_5#y2L"F4Q8z\n\xec)/'
10
11 @app.route('/')
12 def home():
13     return render_template('home.html')
14
15 @app.route('/register', methods=['GET', 'POST'])
16 def register():
17     session['msg']=""
18     if request.method == 'POST':
19         name = request.form['name']
20         email = request.form['email']
21         phno = request.form['phno']
22         dob = request.form['dob']
23         gender = request.form['gender']
24         bloodgroup = request.form['bloodgroup']
25         weight = request.form['weight']
26         password = request.form['newpassword']
27
28         sql = "SELECT * FROM Members WHERE email =?"
```

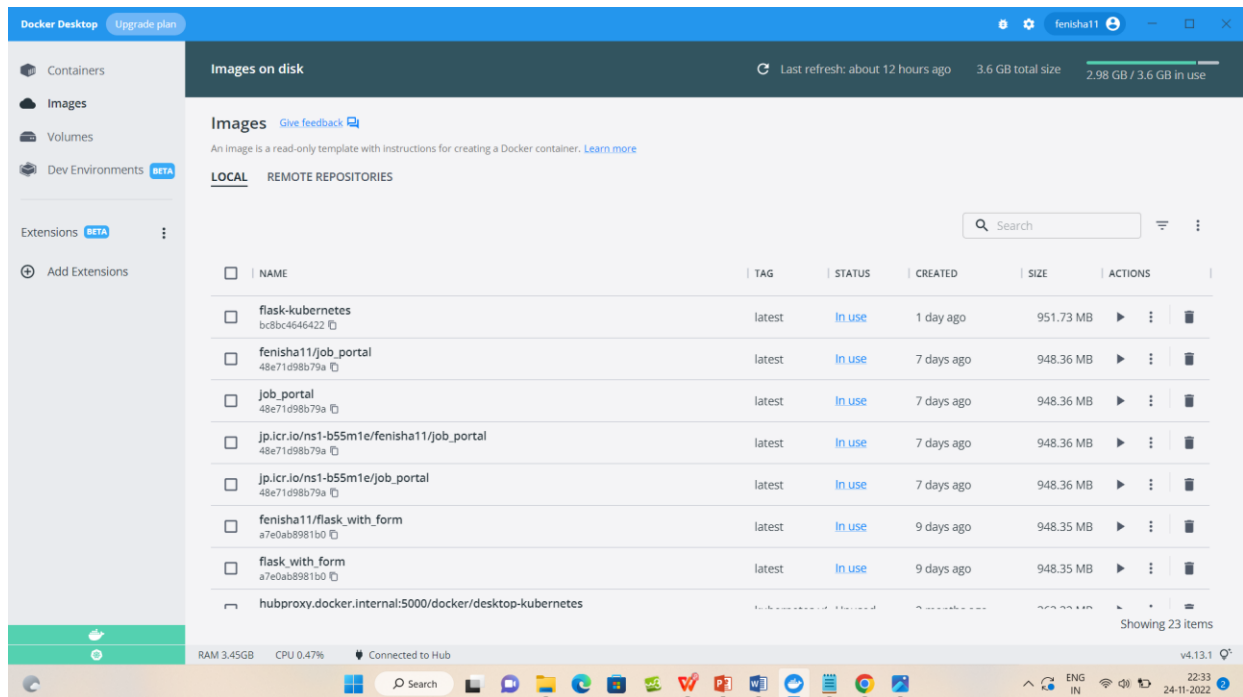
The status bar at the bottom indicates the file is at line 7, column 1, with 4 spaces, UTF-8 encoding, CRLF line endings, and Python 3.11.0 64-bit. The system tray shows a temperature of 22°C, mostly clear weather, and the date 23-11-2022.



- BUILD A DOCKER IMAGE IN DOCKER DESKTOP FOR FLASK KUBERNETES USING CMD



- FLASK KUBERNETES IMAGE IN DOCKER CONTAINER



TASK COMPLETED SUCCESSFULLY!