Create web UI for Crop recommendation

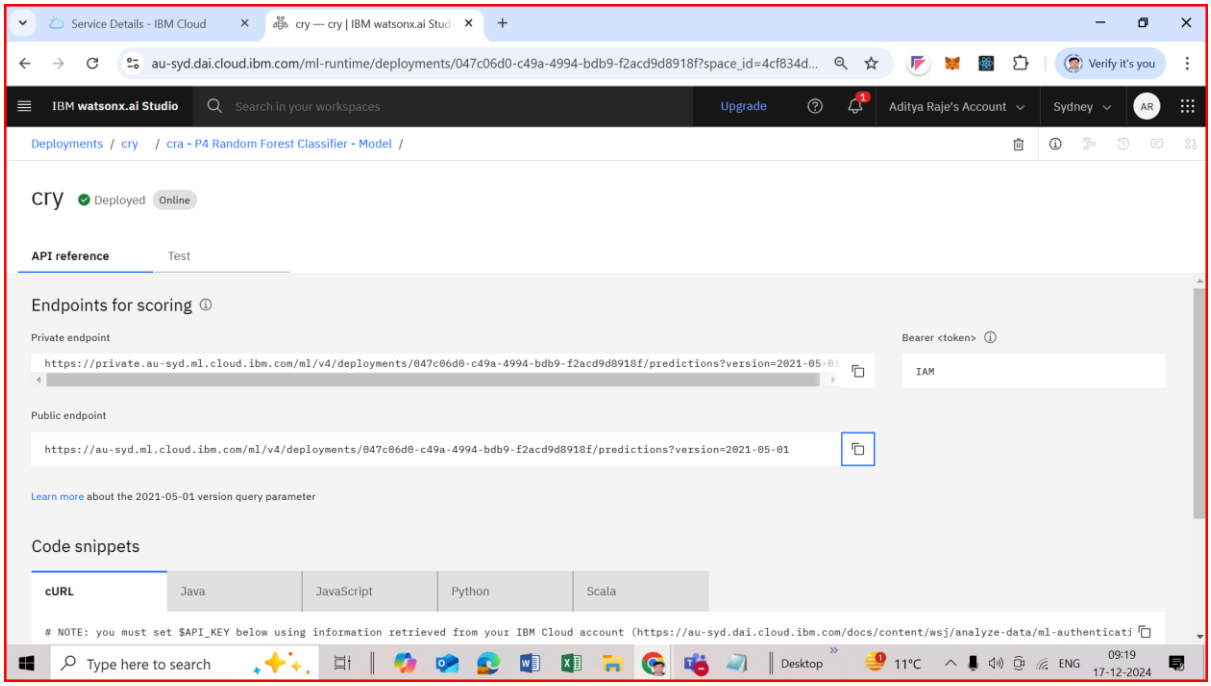
Step1- Develop, save and deploy machine learning model for crop recommendation using watsonx.ai studio as per the steps mention in PDF1

Step2- From cloud.ibm.com use the API key and model end point

Login – Manage – Access (IAM) – API Keys – Create – Name (croprecommendation) – Create – Copy/Download (Save this API key on notepad)

Step3 – From cloud.ibm.com copy **Public endpoint** of deployed model

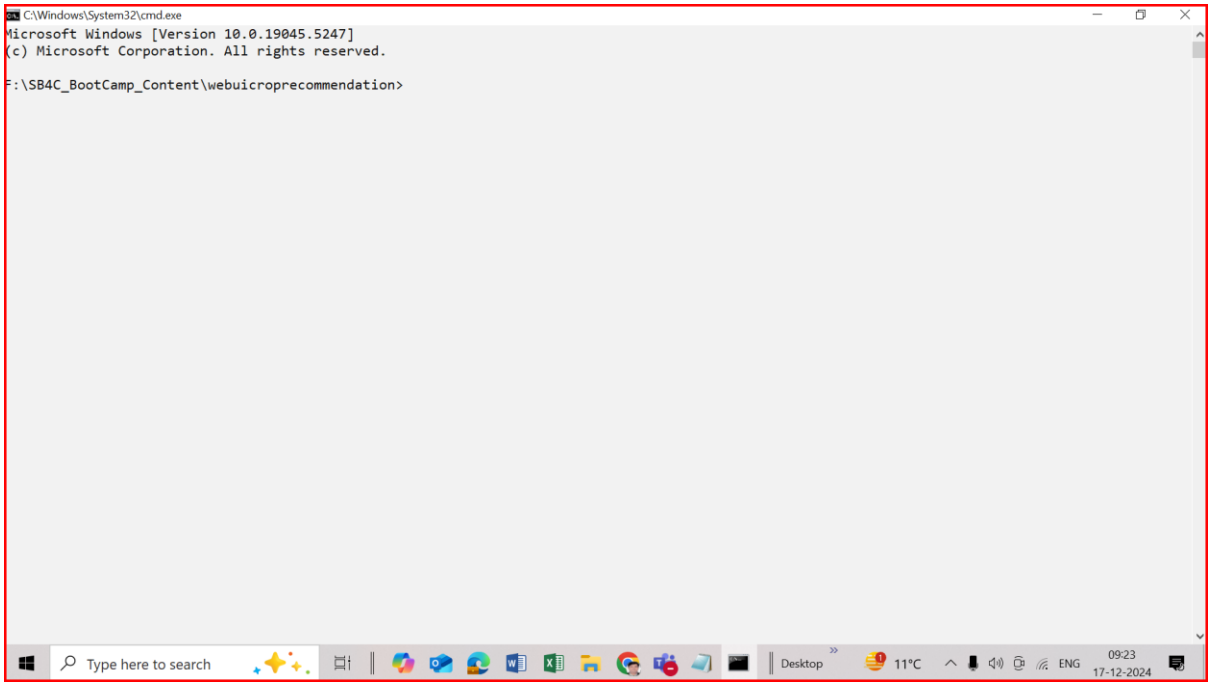
https://au-syd.ml.cloud.ibm.com/ml/v4/deployments/047c06d0-c49a-4994-bdb9-f2acd9d8918f/predictions?version=2021-05-01



Step- create folder webuicroprecommendation

F:\SB4C_BootCamp_Content\webuicroprecommendation

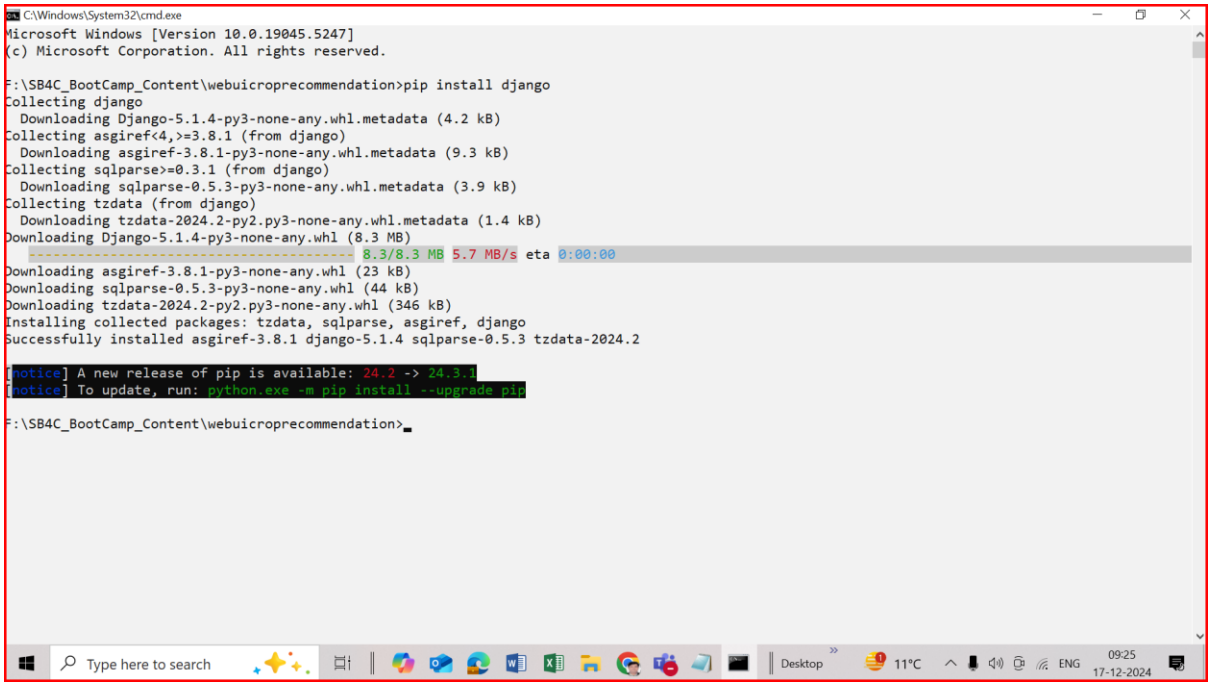
Step- Open command prompt and reach to folder location



Step- install python

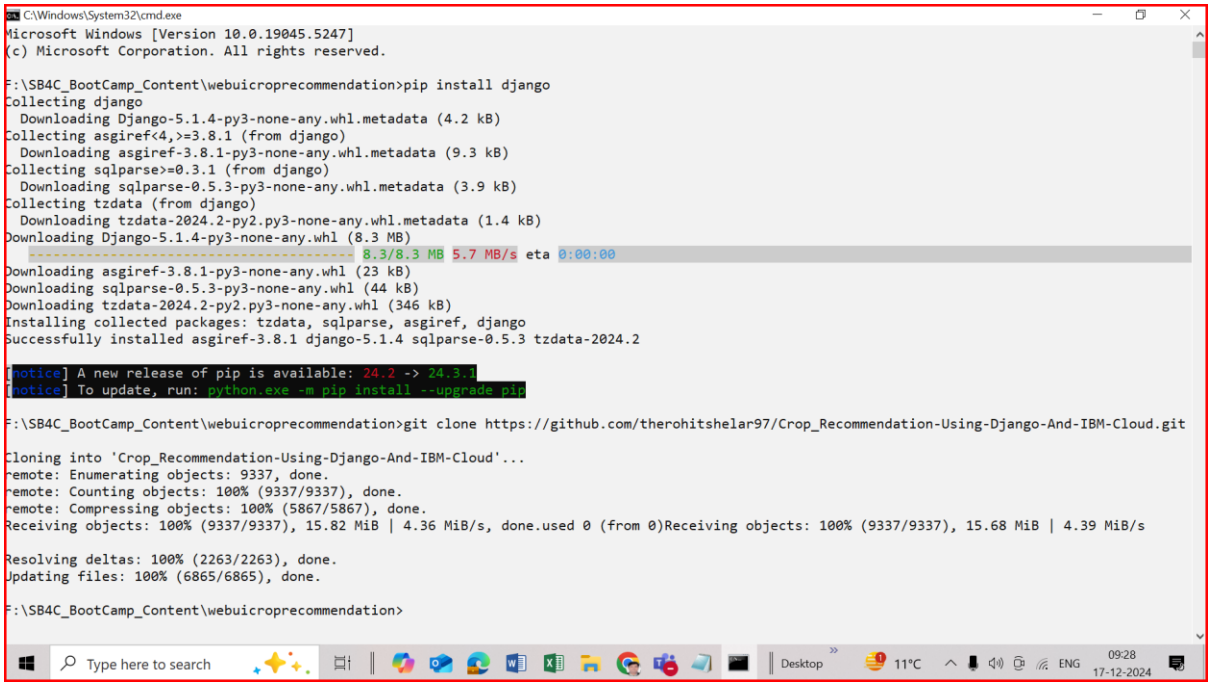
Step – install Django

pip install Django



Step- clone the project from github

git clone https://github.com/therohitshelar97/Crop_Recommendation-Using-Django-And-IBM-Cloud.git



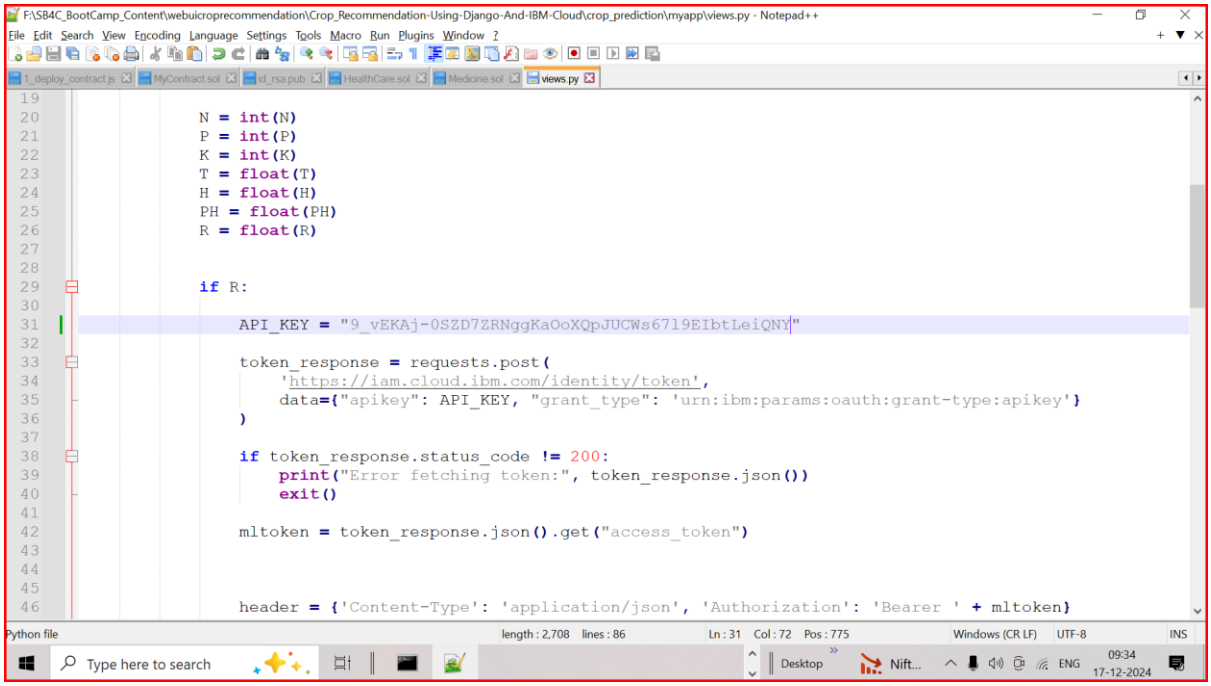
Step – reach to folder location \webuicroprecommendation\Crop_Recommendation-Using-Django-And-IBM-Cloud\crop_prediction

cd F:\SB4C_BootCamp_Content\webuicroprecommendation\Crop_Recommendation-Using-Django-And-IBM-Cloud\crop_prediction

step- open views.py in editor

webuicroprecommendation\Crop_Recommendation-Using-Django-And-IBM-Cloud\crop_prediction\myapp\views.py

Paste your API Key into variable API_KEY=” “



Step -Paste model Public endpoint in the views.py file

response_scoring = requests.post(

' https://au-syd.ml.cloud.ibm.com/ml/v4/deployments/047c06d0-c49a-4994-bdb9-f2acd9d8918f/predictions?version=2021-05-01',

json=payload_scoring,

headers=header,

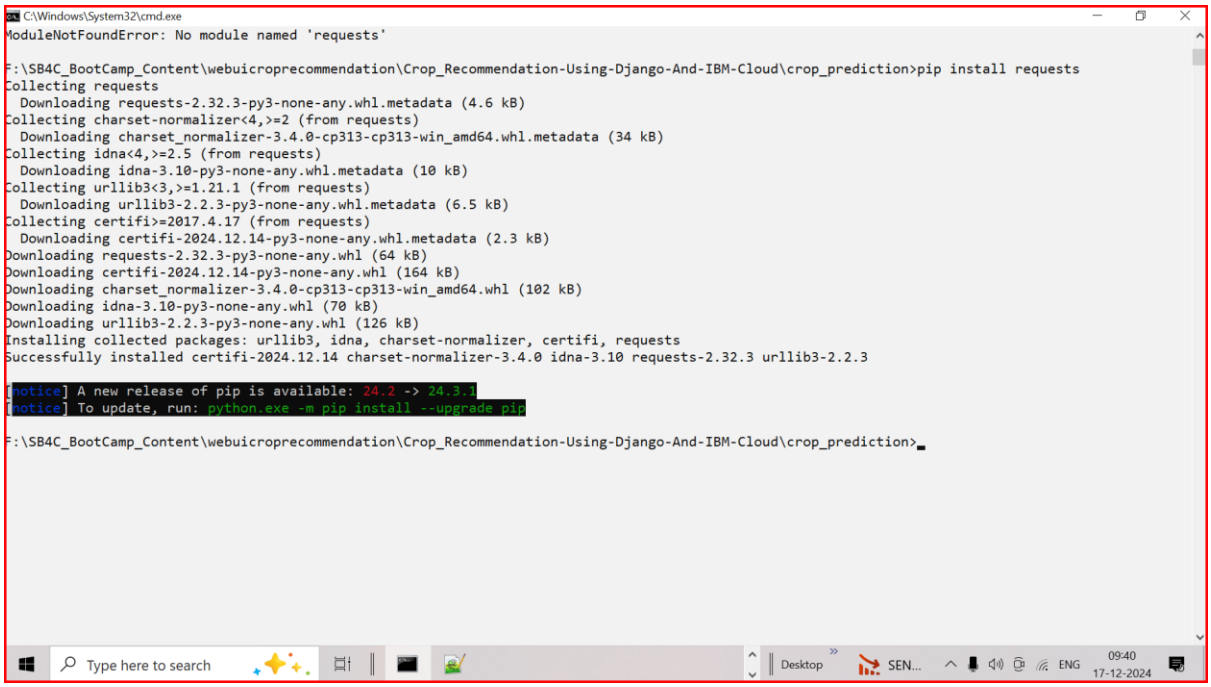
)

Save file views.py

Return to cmd

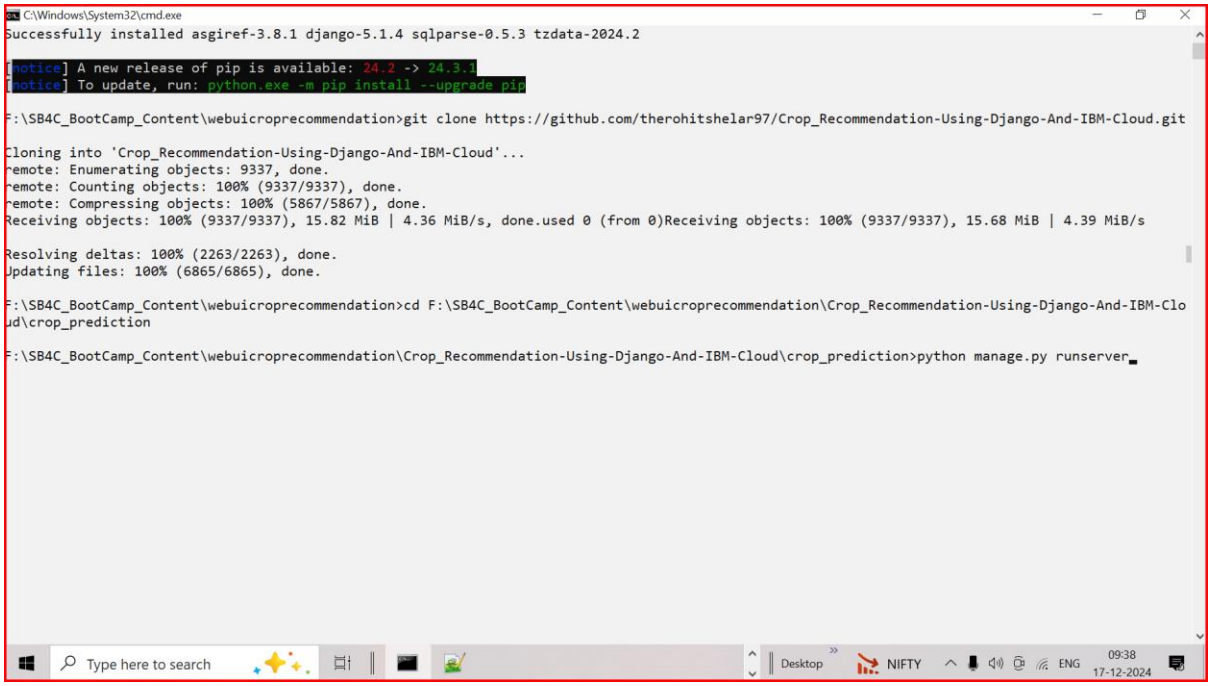
Step –

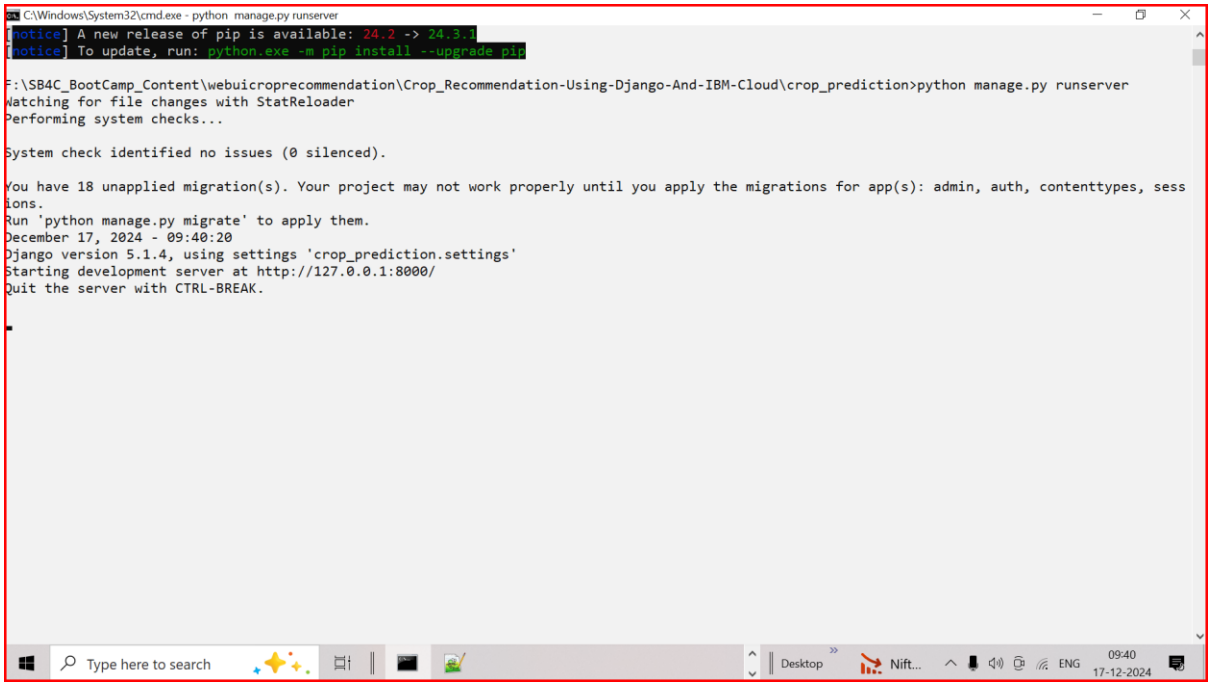
pip install requests



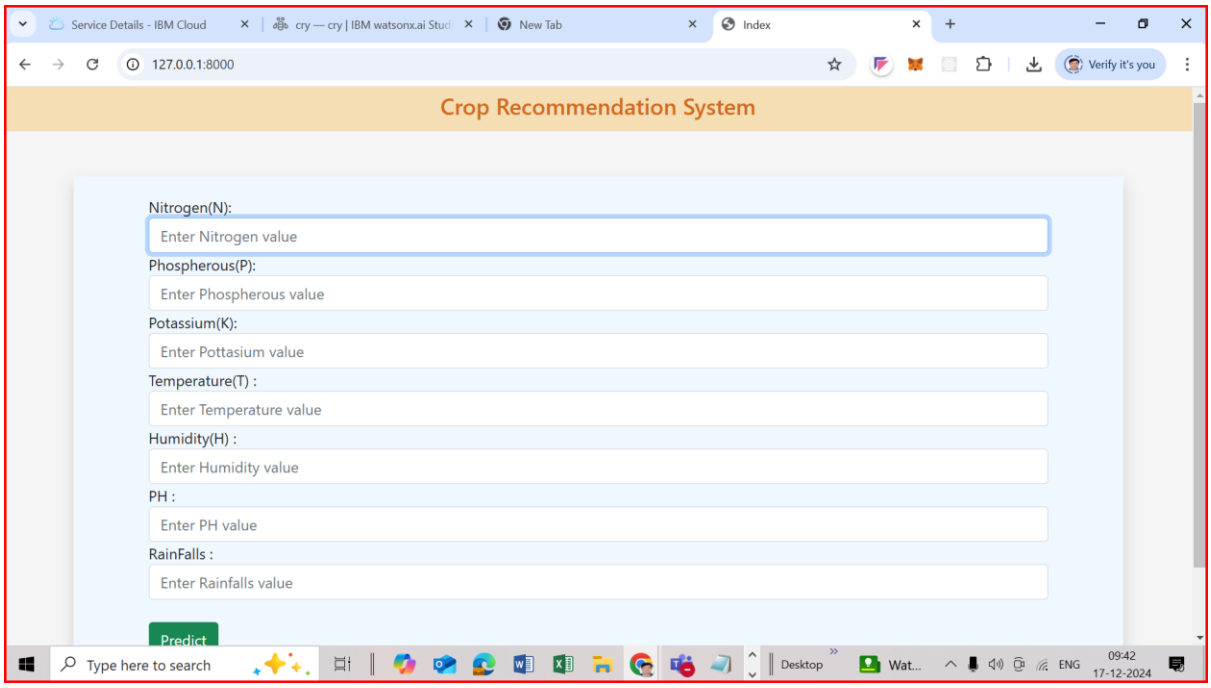
Step- run project

python manage.py runserver

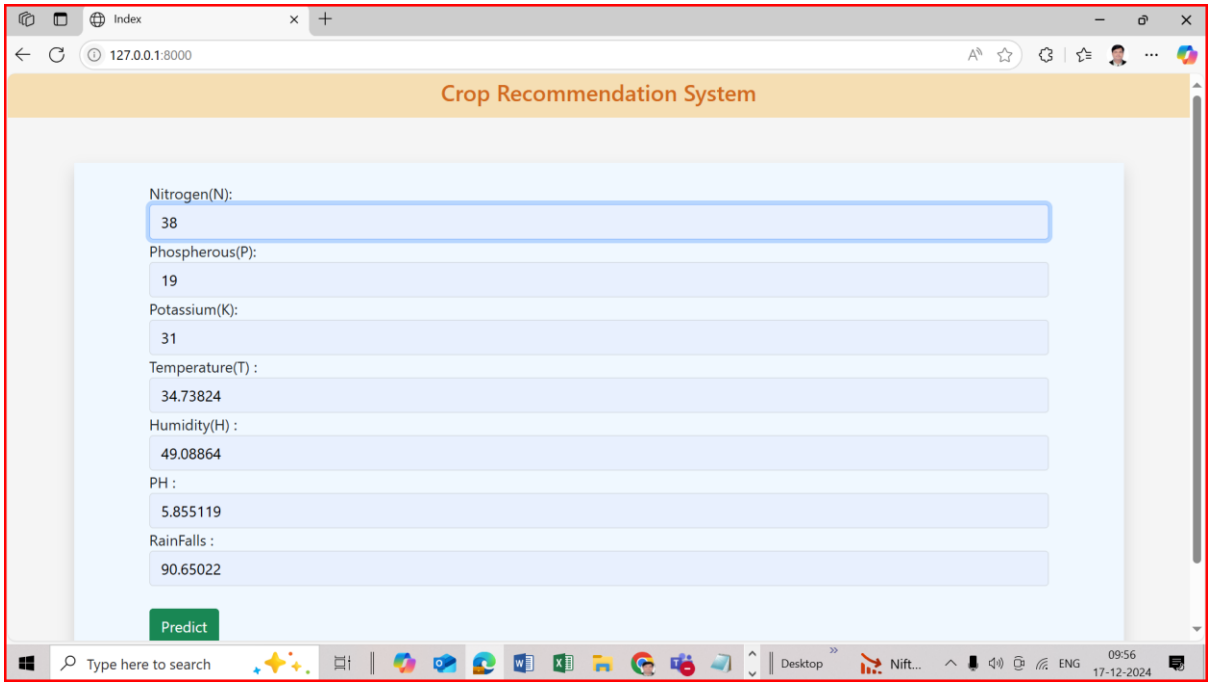




Open browser http://127.0.0.1:8000



Give value



It will show output Mango