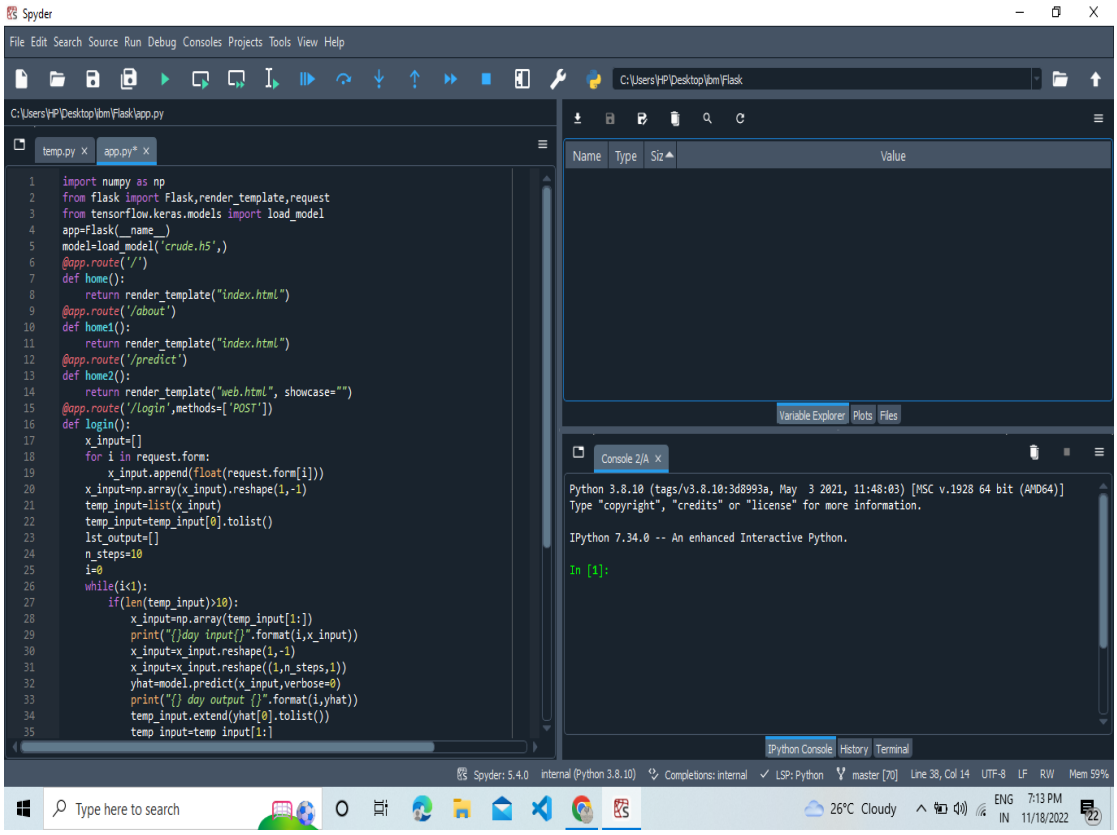
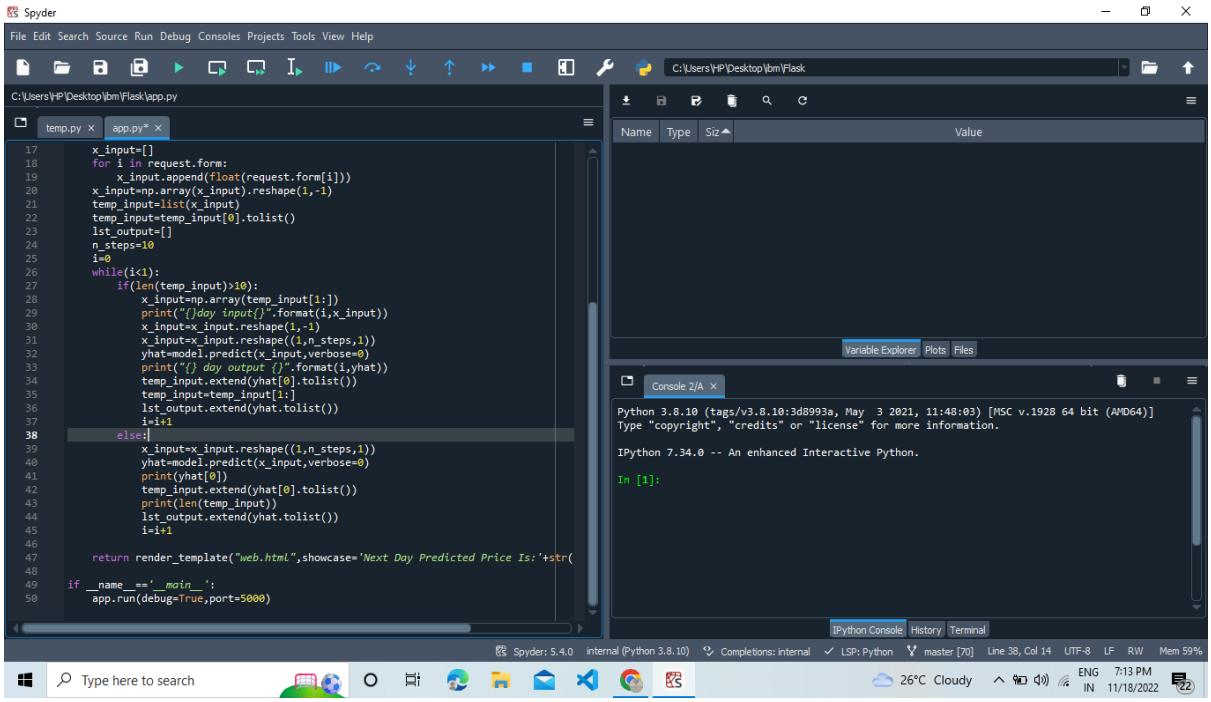
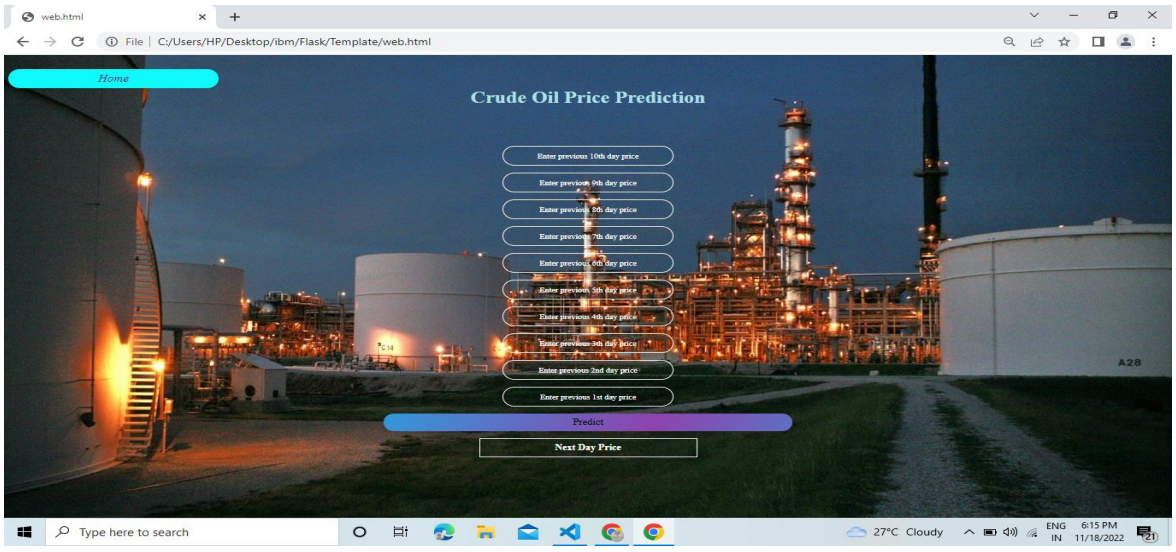
Integrate Flask With Scoring End Point

Team ID	PNT2022TMID13501
Project Name	Crude Oil Price Prediction




Spyder
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\HP\Desktop\ibm\Flask\app.py
temp.py
app.py*
x_input=[]
for i in request.form:
x_input.append(float(request.form[i]))
x_input=np.array(x_input).reshape(1,-1)
temp_input=list(x_input)
temp_input=temp_input[0].tolist()
lst_output=[]
n_steps=10
i=0
while(i<1):
if(len(temp_input)>10):
x_input=np.array(temp_input[1:])
print("{}day input{}".format(i,x_input))
x_input=x_input.reshape(1,-1)
x_input=x_input.reshape((1,n_steps,1))
yhat=model.predict(x_input,verbose=0)
print("{} day output {}".format(i,yhat))
temp_input.extend(yhat[0].tolist())
temp_input=temp_input[1:]
lst_output.extend(yhat.tolist())
i=i+1
else:
x_input=x_input.reshape((1,n_steps,1))
yhat=model.predict(x_input,verbose=0)
print(yhat[0])
temp_input.extend(yhat[0].tolist())
print(len(temp_input))
lst_output.extend(yhat.tolist())
i=i+1
return render_template("web.html",showcase='Next Day Predicted Price Is:'+str(
if __name__=='__main__':
app.run(debug=True,port=5000)
Name Type Siz Value
Variable Explorer Plots Files
Console 2/A
Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.
IPython 7.34.0 -- An enhanced Interactive Python.
In [1]:
IPython Console History Terminal
Spyder: 5.4.0 internal (Python 3.8.10) Completions: internal LSP: Python master [70] Line 38, Col 14 UTF-8 LF RW Mem 59%
Type here to search
26°C Cloudy
ENG IN 7:13 PM 11/18/2022


web.html
File | C:/Users/HP/Desktop/ibm/Flask/Template/web.html
Home
Crude Oil Price Prediction
Enter previous 10th day price
Enter previous 9th day price
Enter previous 8th day price
Enter previous 7th day price
Enter previous 6th day price
Enter previous 5th day price
Enter previous 4th day price
Enter previous 3th day price
Enter previous 2nd day price
Enter previous 1st day price
Predict
Next Day Price
Type here to search
27°C Cloudy
ENG IN 6:15 PM 11/18/2022