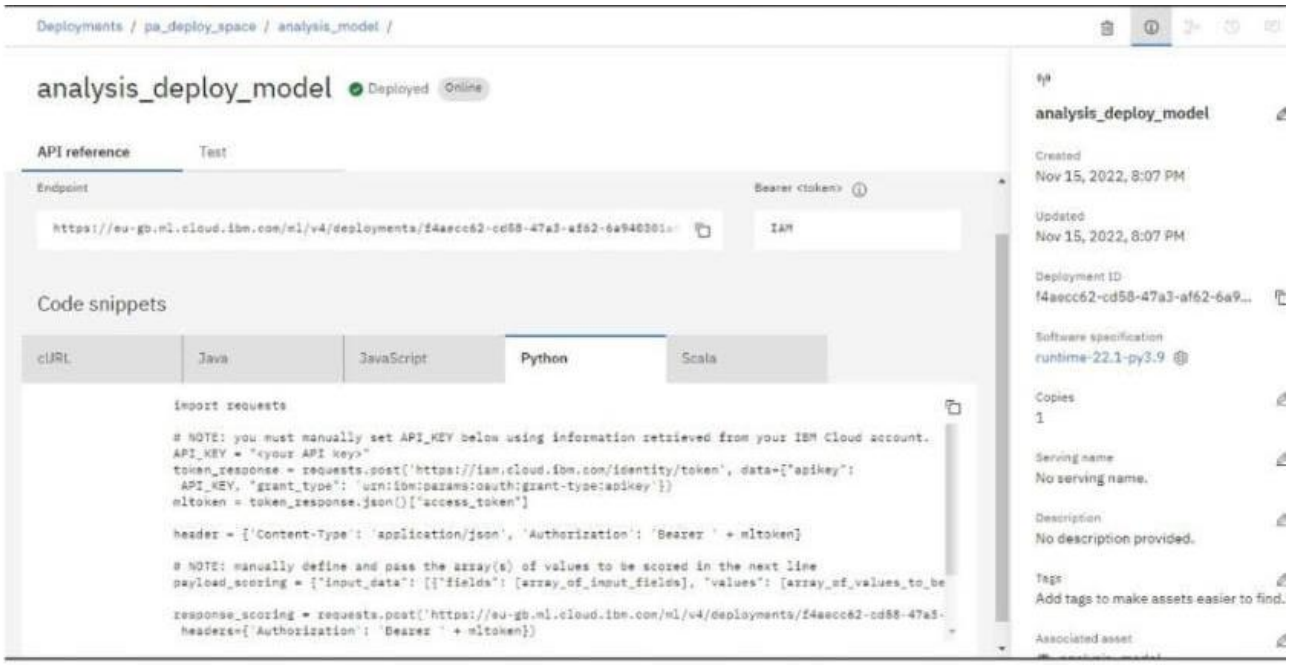
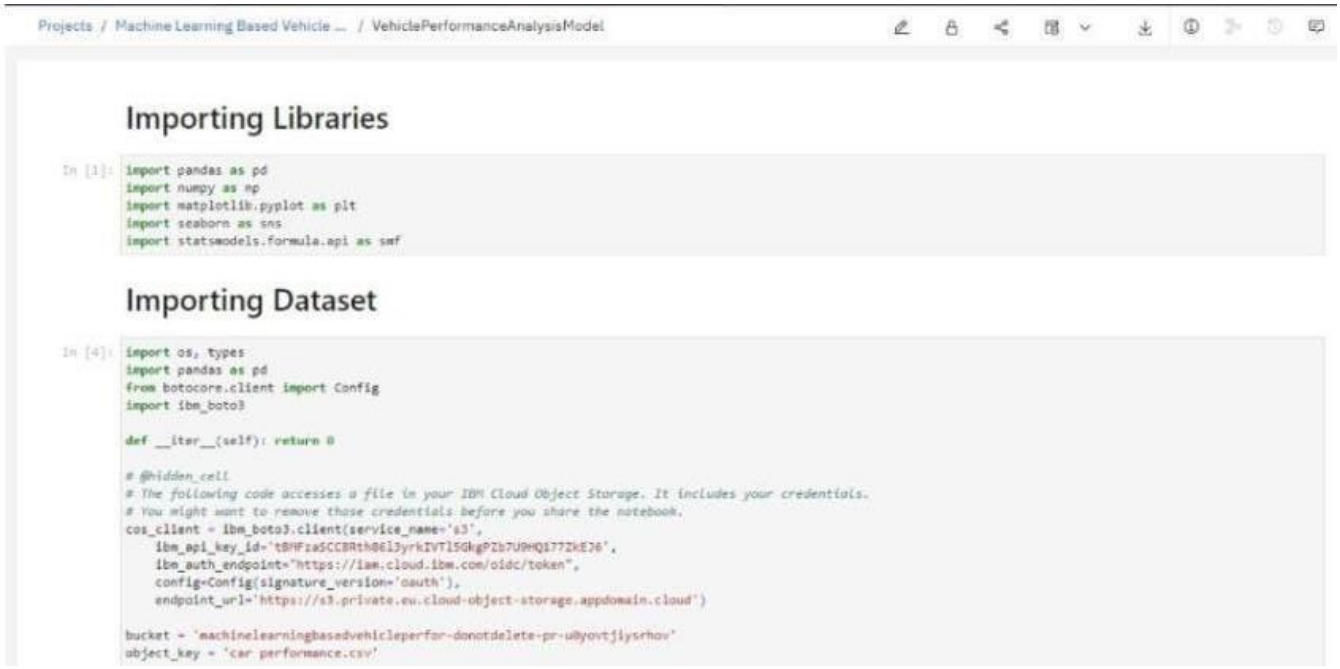
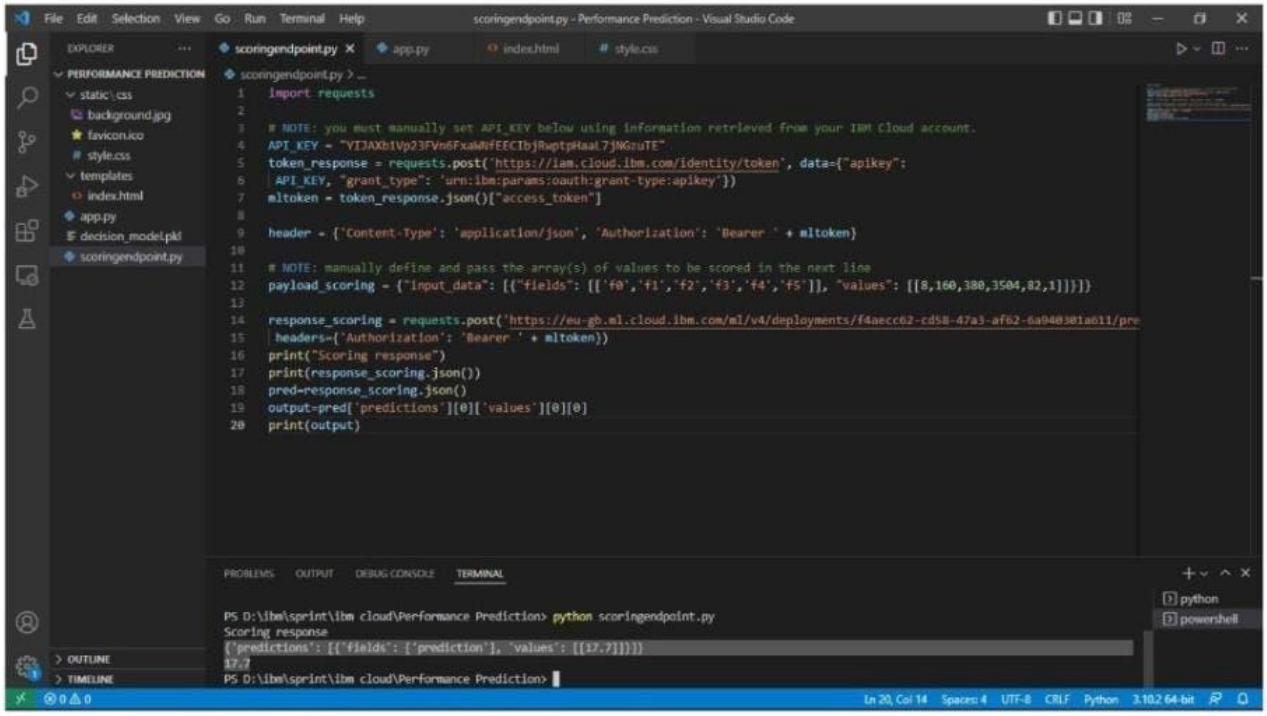
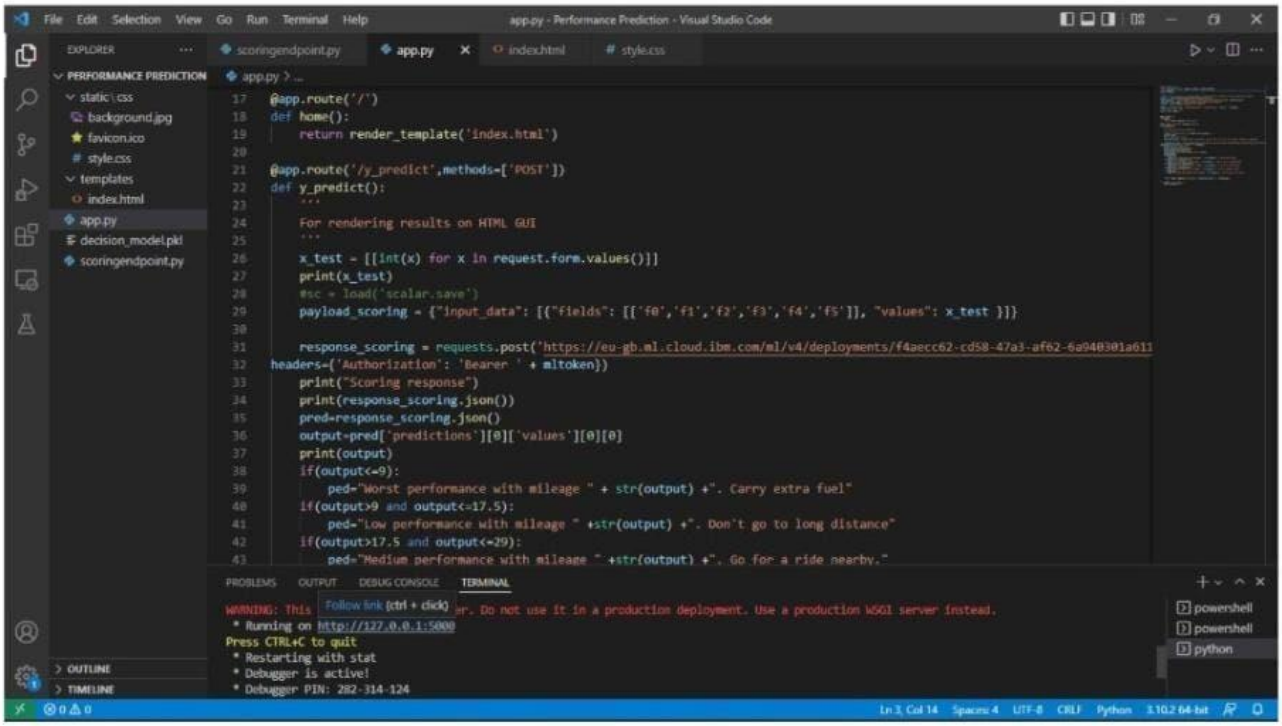
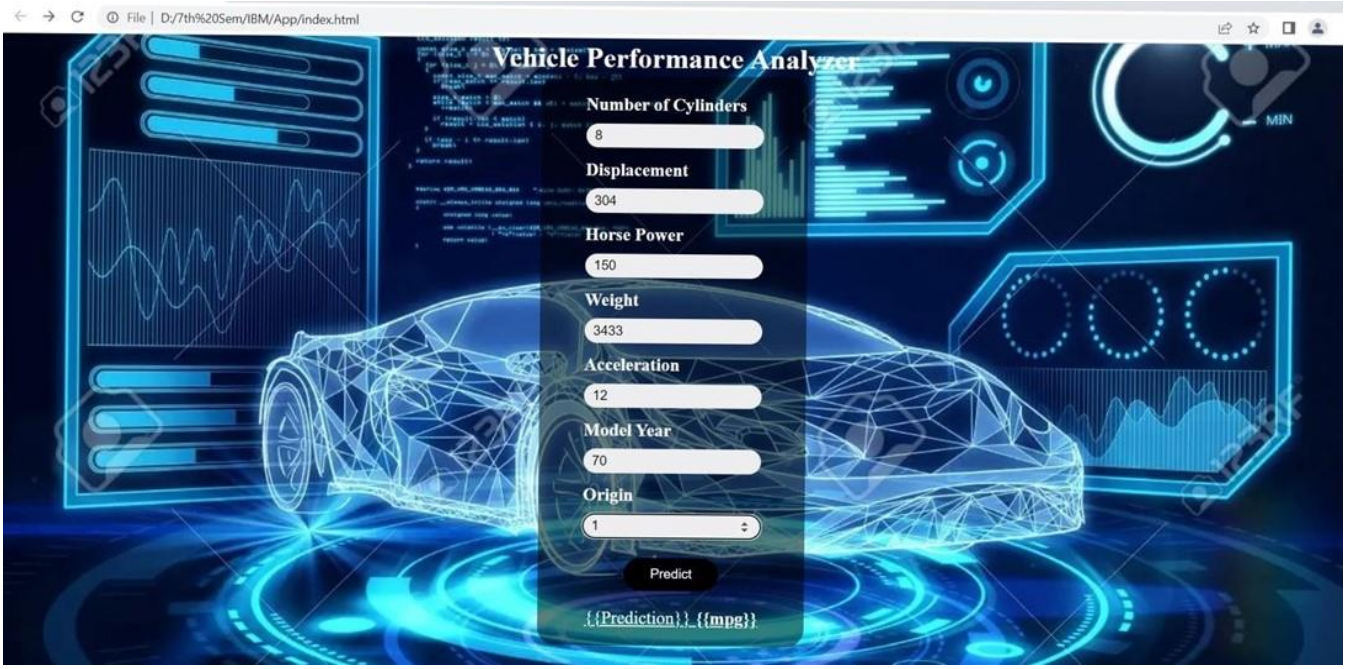
OUTPUT OF DEPLOYMENT OF MODEL ON IBM CLOUD:






File Edit Selection View Go Run Terminal Help
scoringendpoint.py - Performance Prediction - Visual Studio Code
EXPLORER
PERFORMANCE PREDICTION
static\css
background.jpg
favicon.ico
style.css
templates
index.html
app.py
decision_model.pkl
scoringendpoint.py
scoringendpoint.py
app.py
index.html
style.css
scoringendpoint.py > ...
import requests
# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "YIJAXb1Vp23FVn6FxaWNfEECIbjRwptpHaaL7jNGzuTE"
token_response = requests.post("https://iam.cloud.ibm.com/identity/token", data={"apikey":
API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]
header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}
# NOTE: manually define and pass the array(s) of values to be scored in the next line
payload_scoring = {"input_data": [{"fields": ['f0','f1','f2','f3','f4','f5']], "values": [[8,160,380,3504,82,1]]}]}
response_scoring = requests.post('https://eu-gb.ml.cloud.ibm.com/ml/v4/deployments/f4aecc62-cd58-47a3-af62-6a940301a611/pre
headers={'Authorization': 'Bearer ' + mltoken})
print("Scoring response")
print(response_scoring.json())
pred=response_scoring.json()
output=pred['predictions'][0]['values'][0][0]
print(output)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS D:\ibm\sprint\ibm cloud\Performance Prediction> python scoringendpoint.py
Scoring response
{'predictions': [{'fields': ['prediction'], 'values': [[17.7]]}]}
17.7
PS D:\ibm\sprint\ibm cloud\Performance Prediction>
python
powershell
OUTLINE
TIMELINE
Ln 20, Col 14 Spaces: 4 UTF-8 CRLF Python 3.10.2 64-bit


File Edit Selection View Go Run Terminal Help
app.py - Performance Prediction - Visual Studio Code
EXPLORER
scoringendpoint.py
app.py
index.html
style.css
PERFORMANCE PREDICTION
static \ css
background.jpg
favicon.ico
style.css
templates
index.html
app.py
decision_model.pkl
scoringendpoint.py
app.py > ...
@app.route('/')
def home():
return render_template('index.html')
@app.route('/y_predict',methods=['POST'])
def y_predict():
'''
For rendering results on HTML GUI
'''
x_test = [[int(x) for x in request.form.values()]]
print(x_test)
#sc = load('scalar.save')
payload_scoring = {"input_data": [{"fields": [['f0','f1','f2','f3','f4','f5']], "values": x_test }]}
response_scoring = requests.post('https://eu-gb.ml.cloud.ibm.com/ml/v4/deployments/f4aecc62-cd58-47a3-af62-6a940301a611
headers={'Authorization': 'Bearer ' + mltoken})
print("Scoring response")
print(response_scoring.json())
pred=response_scoring.json()
output=pred['predictions'][0]['values'][0][0]
print(output)
if(output<=9):
ped="Worst performance with mileage " + str(output) +". Carry extra fuel"
if(output>9 and output<=17.5):
ped="Low performance with mileage " +str(output) +". Don't go to long distance"
if(output>17.5 and output<=29):
ped="Medium performance with mileage " +str(output) +". Go for a ride nearby."
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
WARNING: This
Follow link (ctrl + click)
er. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 282-314-124
powershell
powershell
python
OUTLINE
TIMELINE
Ln 3, Col 14
Spaces: 4
UTF-8
CRLF
Python
3.10.2 64-bit


File | D:/7th%20Sem/IBM/App/index.html
Vehicle Performance Analyzer
Number of Cylinders
8
Displacement
304
Horse Power
150
Weight
3433
Acceleration
12
Model Year
70
Origin
1
Predict
{{Prediction}} {{mpg}}
MIN


File | D:/7th%20Sem/IBM/App/index.html
Vehicle Performance Analyzer
Number of Cylinders
8
Displacement
304
Horse Power
150
Weight
3433
Acceleration
12
Model Year
70
Origin
1
Predict
The predicted MPG of the vehicle is 16
MAX
MIN