File   Edit   Selection   View   Go   Run   Terminal   Help

EXPLORER

∨ DIAMOND PRICE PREDICTOR
> artifacts
> Diamond_Price_Predictor.egg-info
> logs
> notebooks
> src
> templates
> venv
◇ .gitignore
🐍 application.py
ⓘ README.md
≡ requirements.txt   M
🐍 setup.py

≡ requirements.txt M   🐍 application.py ×

🐍 application.py > ...

```python
1    from flask import Flask,request,render_template,jsonify
2    from src.pipelines.prediction_pipeline import CustomData,PredictPipeline
3
4
5    application=Flask(__name__)
6
7    app=application
8
9    @app.route('/')
10   def home_page():
11       return render_template('index.html')
12
13   @app.route('/predict',methods=['GET','POST'])
14
15   def predict_datapoint():
16       if request.method=='GET':
17           return render_template('form.html')
18
19       else:
20           data=CustomData(
21               carat=float(request.form.get('carat')),
22               depth = float(request.form.get('depth')),
23               table = float(request.form.get('table')),
24               x = float(request.form.get('x')),
25               y = float(request.form.get('y')),
26               z = float(request.form.get('z')),
27               cut = request.form.get('cut'),
28               color= request.form.get('color'),
29               clarity = request.form.get('clarity')
30           )
31           final_new_data=data.get_data_as_dataframe()
32           predict_pipeline=PredictPipeline()
```

Run a Python
Application..

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
(D:\Projects\Diamond Price Predictor\venv) D:\Projects\Diamond Price Predictor>python application.py
 * Serving Flask app 'application'
 * Debug mode: on
```

> OUTLINE
> TIMELINE

main*   ⊘ 0 ⚠ 0   Ln 4, Col 1   Spaces: 4   UTF-8   CRLF   {} Python   3.8.0 (conda)

39°C
Haze

Search

ENG
IN

2:28 PM
6/9/2023

Carat: 18

Depth: 2.5

Table: 1.8

x: 2.9

y: 3.5

z: 7.4

Cut: Premium

Color: J

Clarity: IF

Submit

Filling up Values to Predict the Price of Diamond.

Carat: [Enter carat value (float)]

Depth: [Enter depth value (float)]

Table: [Enter table value (float)]

x: [Enter x value (float)]

y: [Enter y value (float)]

z: [Enter z value (float)]

Cut: [Fair ▼]

Color: [D ▼]

Clarity: [I1 ▼]

[Submit]
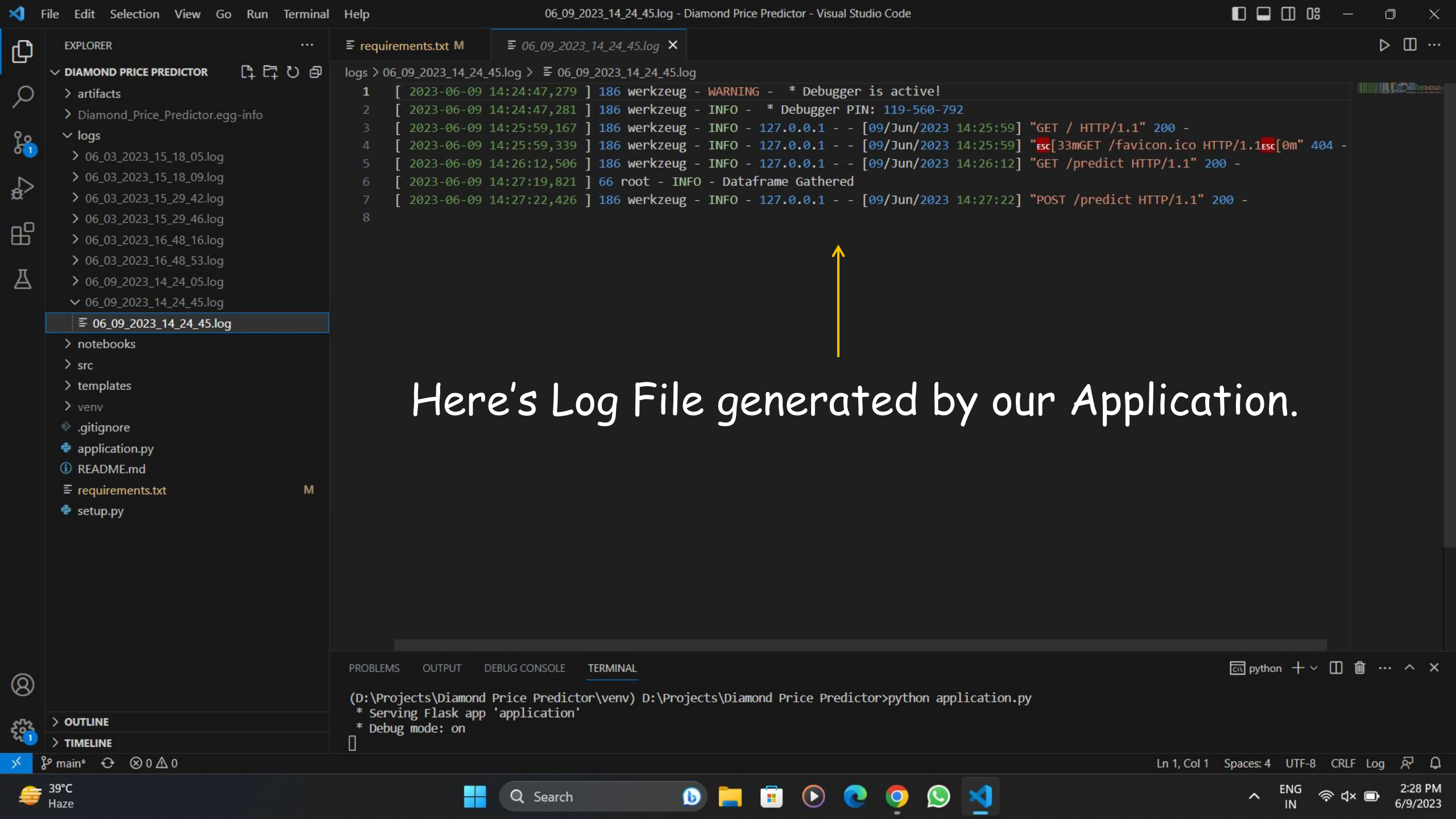
3639.0

Here's Predicted Price of Diamond

Here's Log File generated by our Application.

```
1  [ 2023-06-09 14:24:47,279 ] 186 werkzeug - WARNING -  * Debugger is active!
2  [ 2023-06-09 14:24:47,281 ] 186 werkzeug - INFO -  * Debugger PIN: 119-560-792
3  [ 2023-06-09 14:25:59,167 ] 186 werkzeug - INFO - 127.0.0.1 - - [09/Jun/2023 14:25:59] "GET / HTTP/1.1" 200 -
4  [ 2023-06-09 14:25:59,339 ] 186 werkzeug - INFO - 127.0.0.1 - - [09/Jun/2023 14:25:59] "ESC[33mGET /favicon.ico HTTP/1.1ESC[0m" 404 -
5  [ 2023-06-09 14:26:12,506 ] 186 werkzeug - INFO - 127.0.0.1 - - [09/Jun/2023 14:26:12] "GET /predict HTTP/1.1" 200 -
6  [ 2023-06-09 14:27:19,821 ] 66 root - INFO - Dataframe Gathered
7  [ 2023-06-09 14:27:22,426 ] 186 werkzeug - INFO - 127.0.0.1 - - [09/Jun/2023 14:27:22] "POST /predict HTTP/1.1" 200 -
8
```

```
(D:\Projects\Diamond Price Predictor\venv) D:\Projects\Diamond Price Predictor>python application.py
 * Serving Flask app 'application'
 * Debug mode: on
```