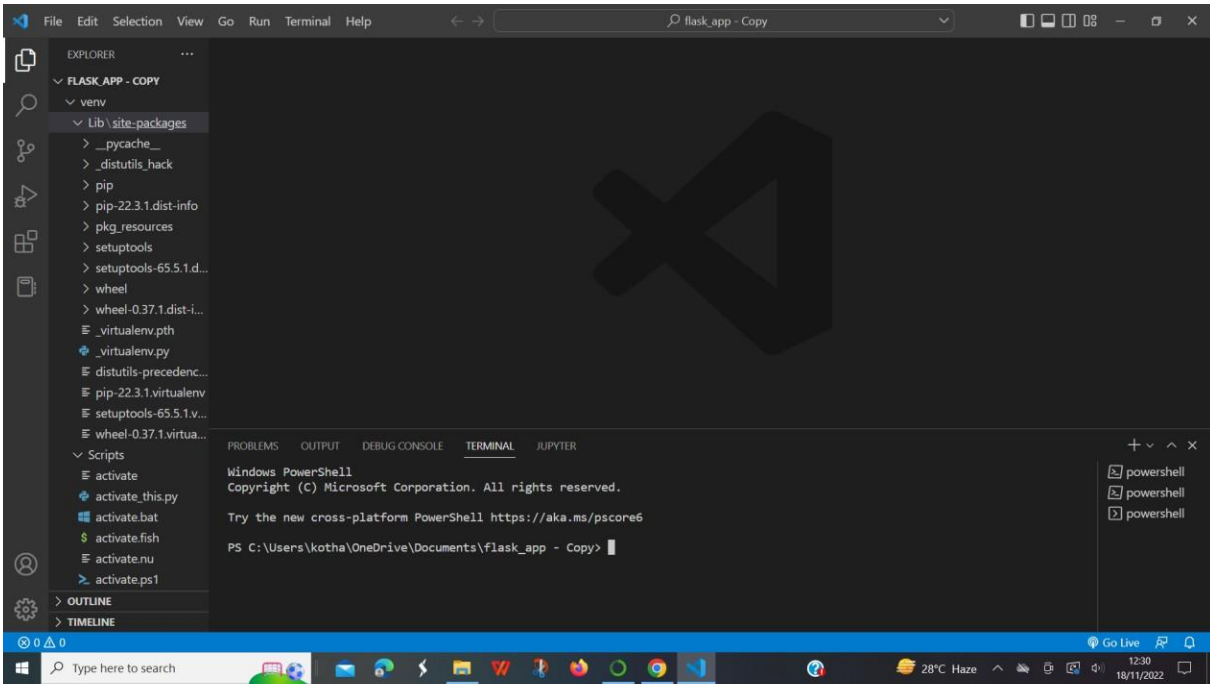
Integrate Flask with Scoring End Point

Team ID	PNT2022TMID10653
Project Name	Car resale value prediction

Create the virtual environment using the visual studio code



```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\kotha\OneDrive\Documents\flask_app - Copy>
```
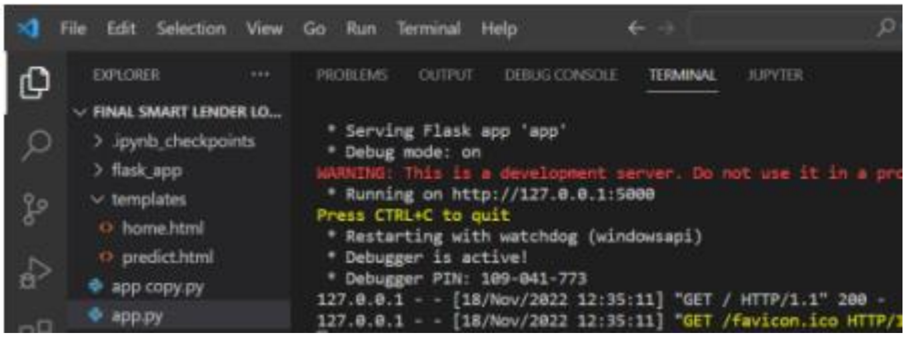
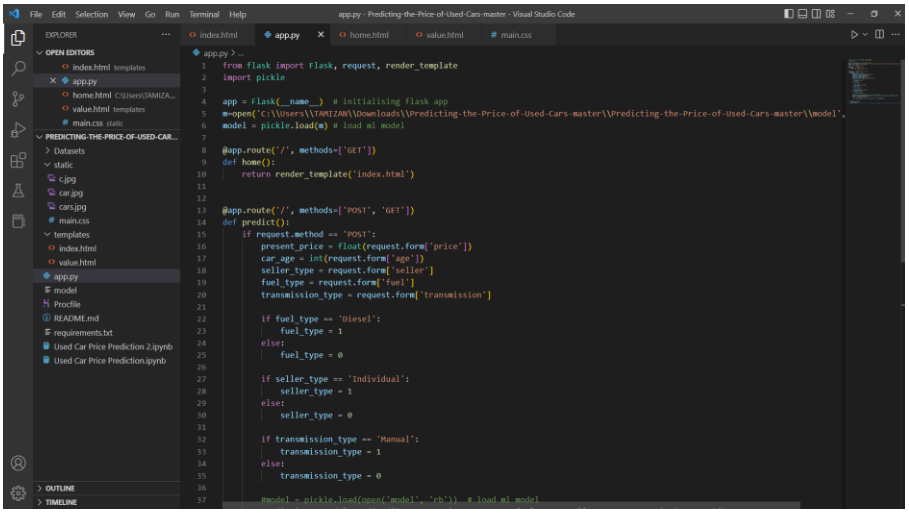

Run the python file



```
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a pro
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with watchdog (windowsapi)
 * Debugger is active!
 * Debugger PIN: 109-041-773
127.0.0.1 - - [18/Nov/2022 12:35:11] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [18/Nov/2022 12:35:11] "GET /favicon.ico HTTP/1
```

Use the API key that have generated in the IBM cloud in the python code



```python
from flask import Flask, request, render_template
import pickle

app = Flask(__name__)  # initialising flask app
m=open('C:\\Users\\TAMIZAN\\Downloads\\Predicting-the-Price-of-Used-Cars-master\\Predicting-the-Price-of-Used-Cars-master\\model',
model = pickle.load(m) # load ml model

@app.route('/', methods=['GET'])
def home():
    return render_template('index.html')


@app.route('/', methods=['POST', 'GET'])
def predict():
    if request.method == 'POST':
        present_price = float(request.form['price'])
        car_age = int(request.form['age'])
        seller_type = request.form['seller']
        fuel_type = request.form['fuel']
        transmission_type = request.form['transmission']

        if fuel_type == 'Diesel':
            fuel_type = 1
        else:
            fuel_type = 0

        if seller_type == 'Individual':
            seller_type = 1
        else:
            seller_type = 0

        if transmission_type == 'Manual':
            transmission_type = 1
        else:
            transmission_type = 0

        #model = pickle.load(open('model', 'rb'))  # load ml model
```

Using the Api key, we are integrating the flask application