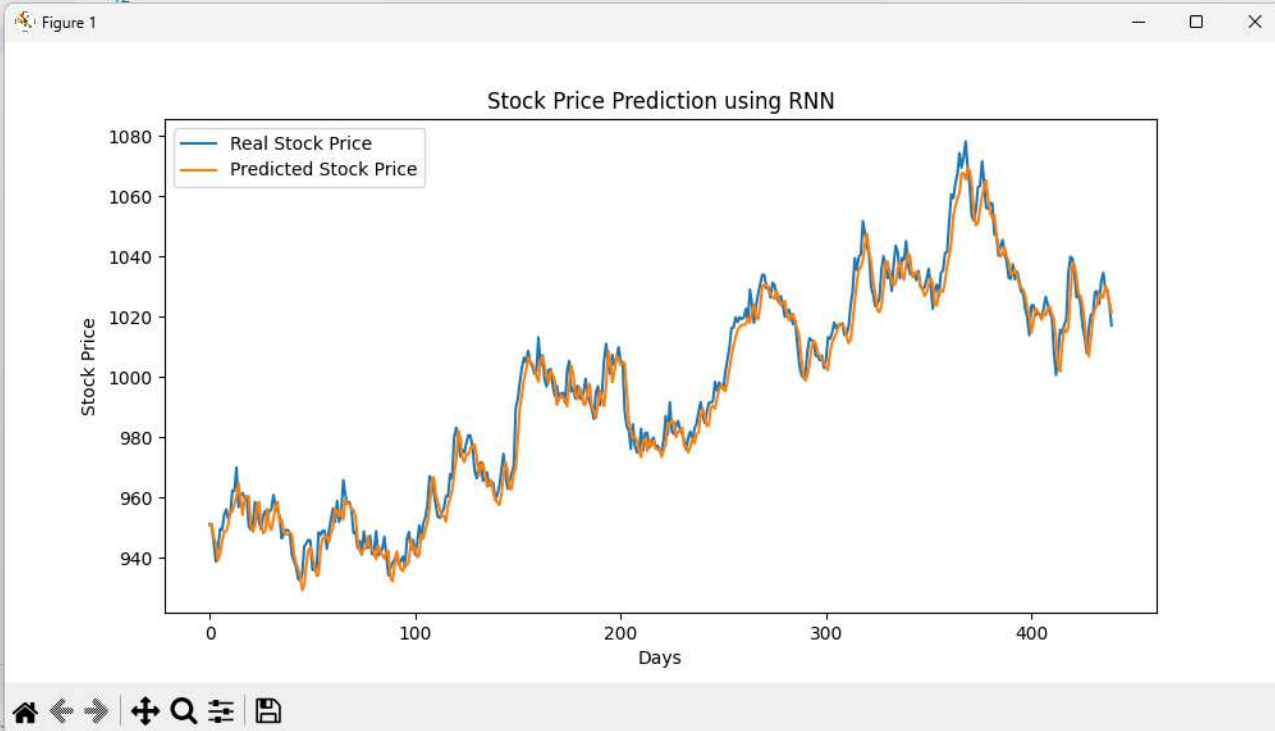


```
stock_rnn.py > ...  
41 predicted_prices = scaler.inverse_transform(predicted_prices)  
42
```



modules.

```
Epoch 18/20  
14/14 0s 15ms/step - loss: 0.0016  
Epoch 19/20  
14/14 0s 15ms/step - loss: 0.0018  
Epoch 20/20  
14/14 0s 14ms/step - loss: 0.0025  
14/14 1s 28ms/step
```

OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

```
PS C:\Users\zumer\OneDrive\Desktop\lab working\lab 6\RNN_Lab_Task1> python sentiment_rnn.py
>>
```

```
Total params: 0 (0.00 B)
Trainable params: 0 (0.00 B)
Non-trainable params: 0 (0.00 B)
```

```
Epoch 1/5
157/157 ██████████ 10s 50ms/step - accuracy: 0.6055 - loss: 0.6416 - val_accuracy: 0.7176 - val_loss: 0.5484
Epoch 2/5
157/157 ██████████ 7s 46ms/step - accuracy: 0.8485 - loss: 0.3574 - val_accuracy: 0.8432 - val_loss: 0.3884
Epoch 3/5
157/157 ██████████ 7s 46ms/step - accuracy: 0.9255 - loss: 0.2030 - val_accuracy: 0.8092 - val_loss: 0.4473
Epoch 4/5
157/157 ██████████ 7s 46ms/step - accuracy: 0.9829 - loss: 0.0618 - val_accuracy: 0.7648 - val_loss: 0.6109
Epoch 5/5
157/157 ██████████ 7s 47ms/step - accuracy: 0.9944 - loss: 0.0256 - val_accuracy: 0.8032 - val_loss: 0.6156
782/782 ██████████ 6s 8ms/step - accuracy: 0.8032 - loss: 0.6193
```

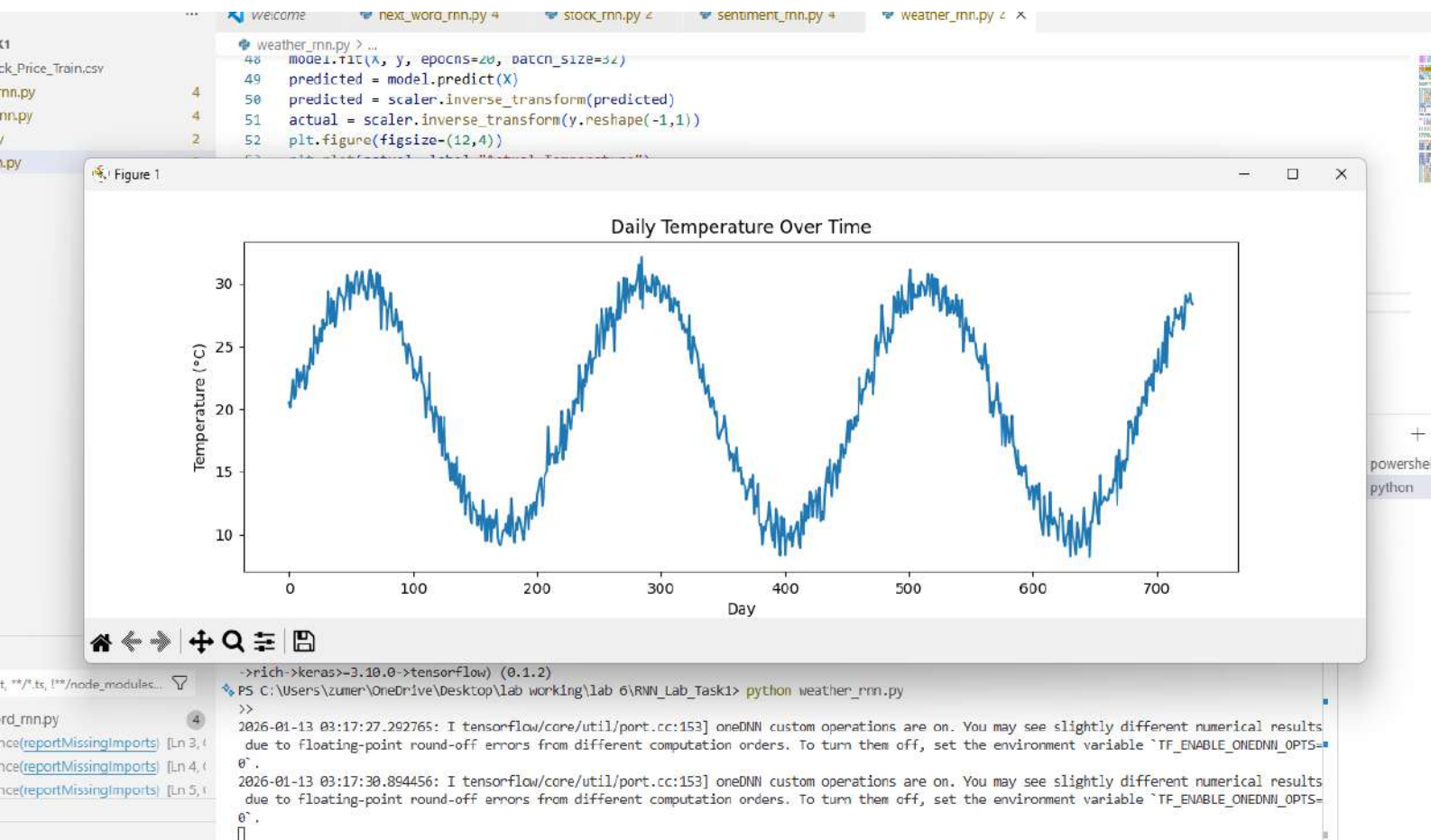
```
Test Accuracy: 80.32 %
```

```
1/1 ██████████ 0s 158ms/step
```

```
Review: this movie was amazing and very interesting
```

```
Sentiment: POSITIVE 😊
```

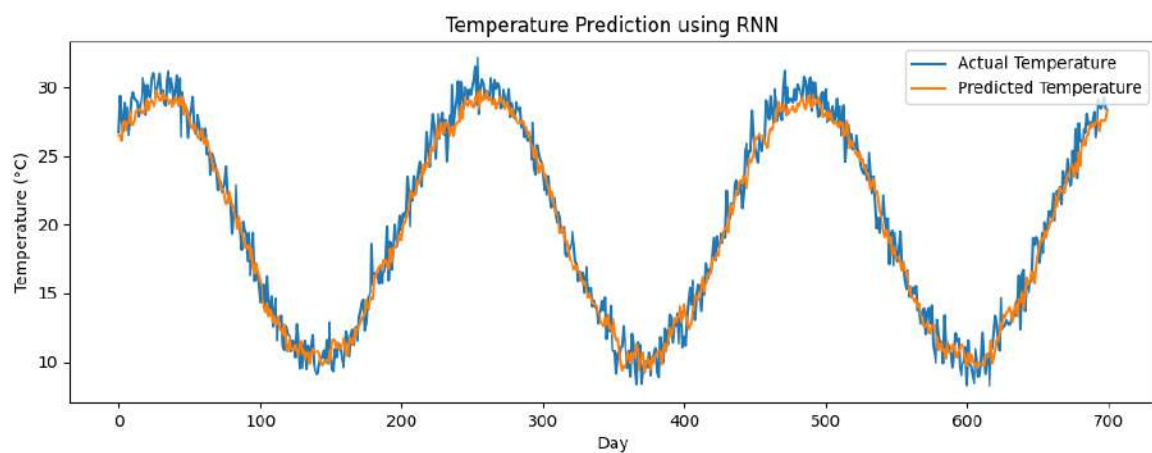
```
PS C:\Users\zumer\OneDrive\Desktop\lab working\lab 6\RNN_Lab_Task1>
```



```
SK1
ock_Price_Train.csv
_mn.py
_mn.py
py
npy

weather_rnn.py > ...
48 model.fit(x, y, epochs=20, batch_size=32)
49 predicted = model.predict(X)
50 predicted = scaler.inverse_transform(predicted)
51 actual = scaler.inverse_transform(y.reshape(-1,1))
52 plt.figure(figsize=(12,4))
```

Figure 1




```
22/22 0s 6ms/step - loss: 0.0023
Epoch 17/20
22/22 0s 6ms/step - loss: 0.0024
Epoch 18/20
22/22 0s 5ms/step - loss: 0.0024
Epoch 19/20
22/22 0s 6ms/step - loss: 0.0026
Epoch 20/20
22/22 0s 6ms/step - loss: 0.0024
22/22 0s 9ms/step
```


OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\zumer\OneDrive\Desktop\lab working\lab 6\RNN_Lab_Task1> python music_rnn.py
>>
```


Epoch 43/50

5/5  0s 8ms/step - loss: 0.0373


Epoch 44/50

5/5  0s 9ms/step - loss: 0.0357


Epoch 45/50

5/5  0s 9ms/step - loss: 0.0342


Epoch 46/50

5/5  0s 8ms/step - loss: 0.0328


Epoch 47/50

5/5  0s 8ms/step - loss: 0.0314


Epoch 48/50

5/5  0s 7ms/step - loss: 0.0301

Epoch 49/50

5/5  0s 9ms/step - loss: 0.0290

Epoch 50/50

5/5  0s 9ms/step - loss: 0.0278

Generated Note Sequence:

['G4', 'A4', 'B4', 'C5', 'C4', 'D4', 'E4', 'F4', 'G4', 'A4', 'B4', 'C5', 'C4', 'D4', 'E4', 'F4', 'G4', 'A4', 'B4', 'C5']

PS C:\Users\zumer\OneDrive\Desktop\lab working\lab 6\RNN\_Lab\_Task1>

Ln 66, Col 1 Spaces: 4 UTF-8 CRLF ( ) Python 3.13