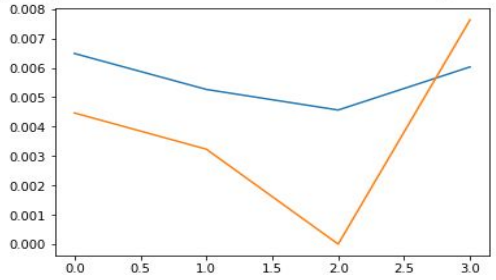
Epoch 100, n_input=3

```
import matplotlib.pyplot as plt

predictions_actual_size = scaler.inverse_transform(predictions)
test_data_actual_scale = scaler.inverse_transform(test)

plt.plot(predictions_actual_size)
plt.plot(test_data_actual_scale)
```

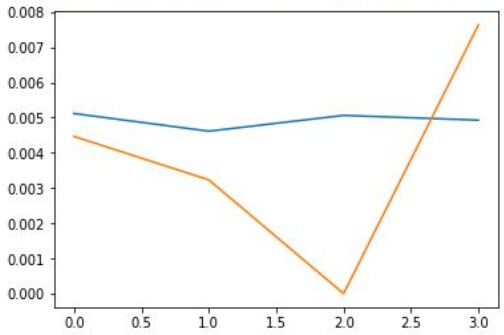
```
[<matplotlib.lines.Line2D at 0x7fd5be51aee0>]
```




```
[17] from sklearn.metrics import accuracy_score, mean_squared_error

     mean_squared_error(test,predictions)

     0.04482265114400966
```

```
import matplotlib.pyplot as plt

predictions_actual_size = scaler.inverse_transform(predictions)
test_data_actual_scale = scaler.inverse_transform(test)

plt.plot(predictions_actual_size)
plt.plot(test_data_actual_scale)
```

```
[<matplotlib.lines.Line2D at 0x7fd5bcac1ee0>]
```



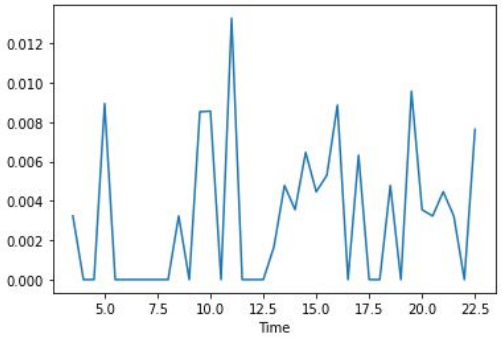
Epoch 100
n_input=2

```
[17] from sklearn.metrics import accuracy_score, mean_squared_error

     mean_squared_error(test,predictions)

     0.04482265114400966
```

Testing for recurring pattern in Throughput

```
throughput = first_dataset_indexed['Throughput']
throughput.plot()
```

```
<AxesSubplot:xlabel='Time'>
```

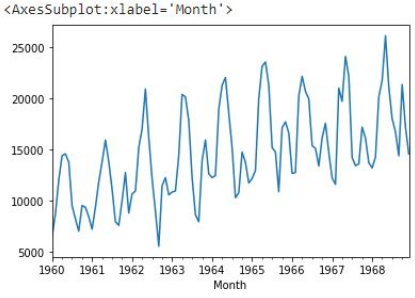



```
[26] from sklearn.preprocessing import MinMaxScaler
```

Sales recurring pattern

```
throughput = first_dataset_indexed['Sales']
throughput.plot()
```

```
<AxesSubplot:xlabel='Month'>
```



Temperature example

```
temp = df['T (degC)']
temp.plot()
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f4bb5aba190>
```