Epoch vs Loss

```
Training Accuracy: 94.04%
Validation Accuracy: 90.80%
Test Accuracy: 87.05%
```
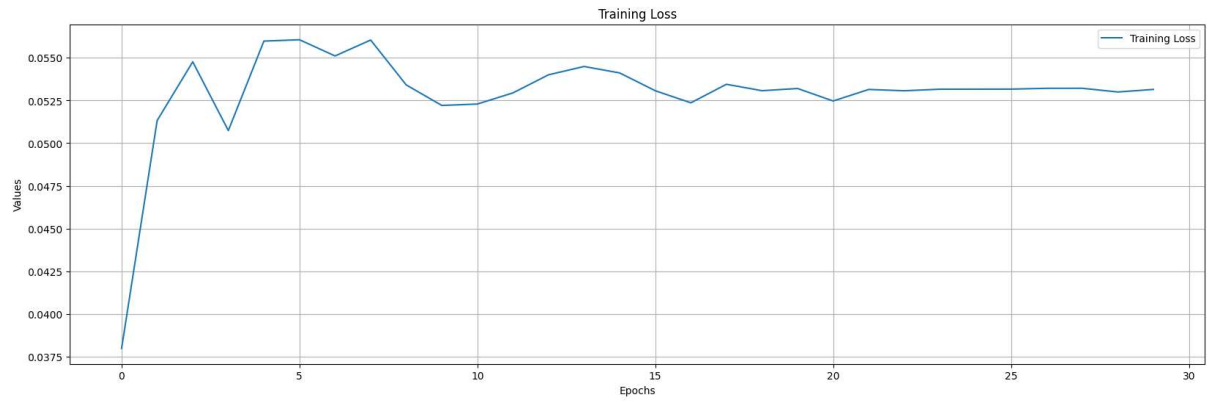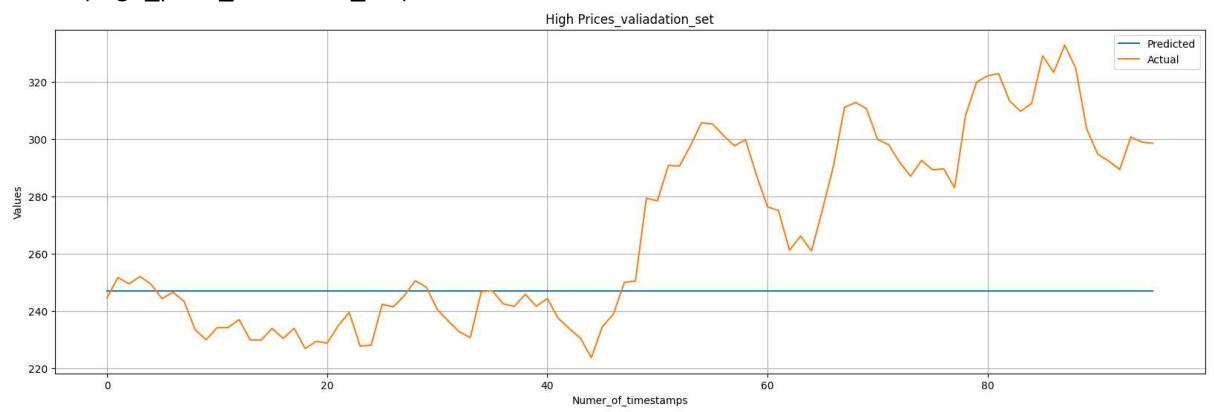
TASK 3

PLOTS

1) **RNN**

   a) Configuration 1 (learning rate = 0.005)
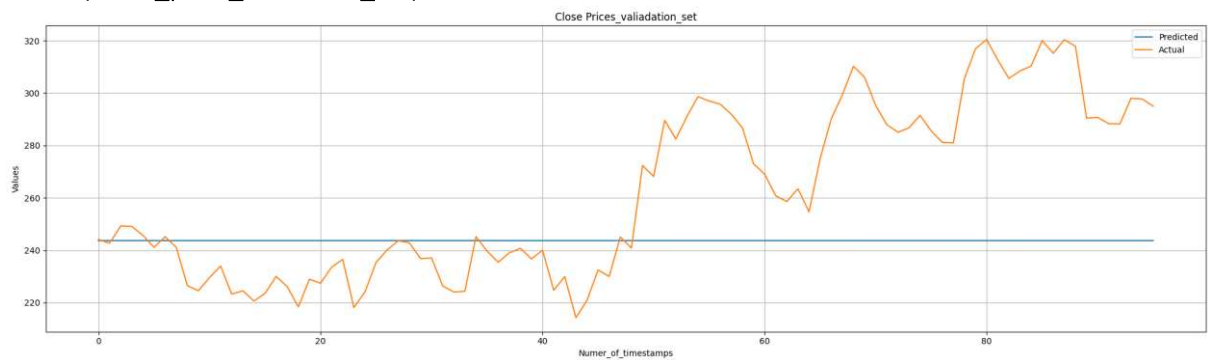
   Plot 1 (Training_Loss)

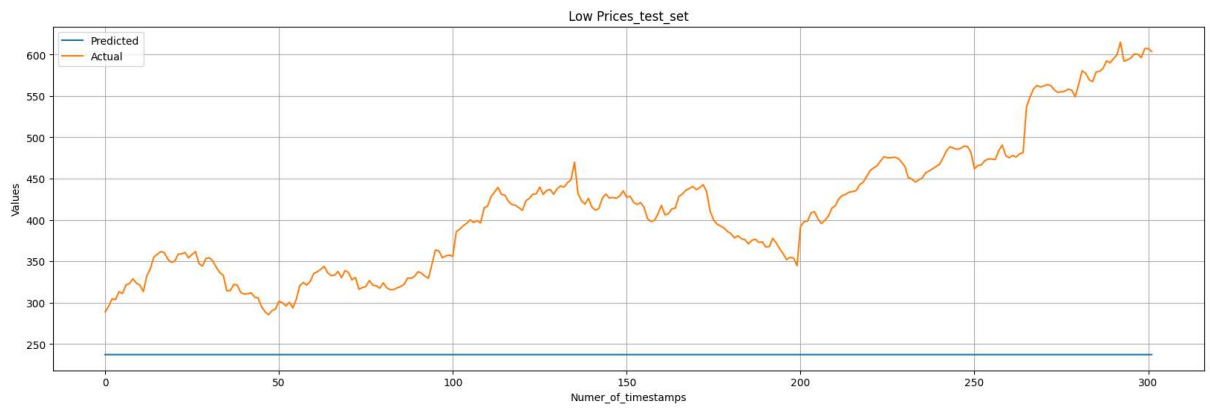## Plot 2 (High_price_validation_set)

Plot 3 (Low_price_validation_set)
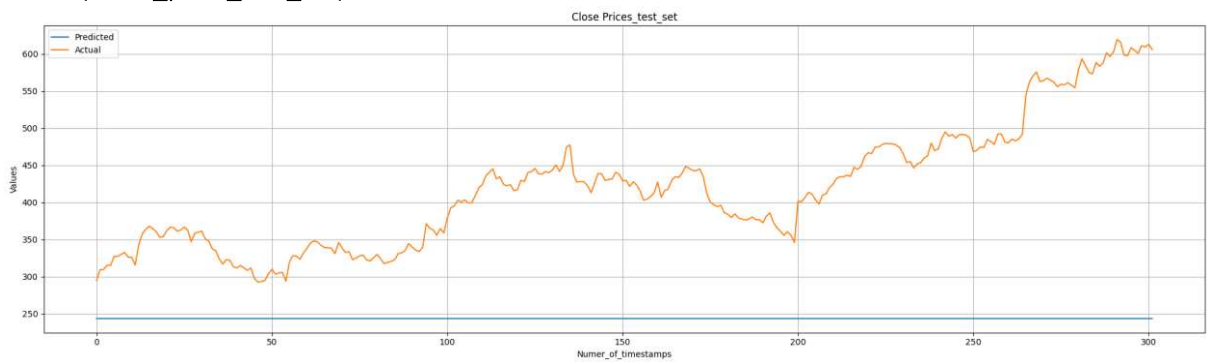

Plot 4 (Close_price_validation_set)
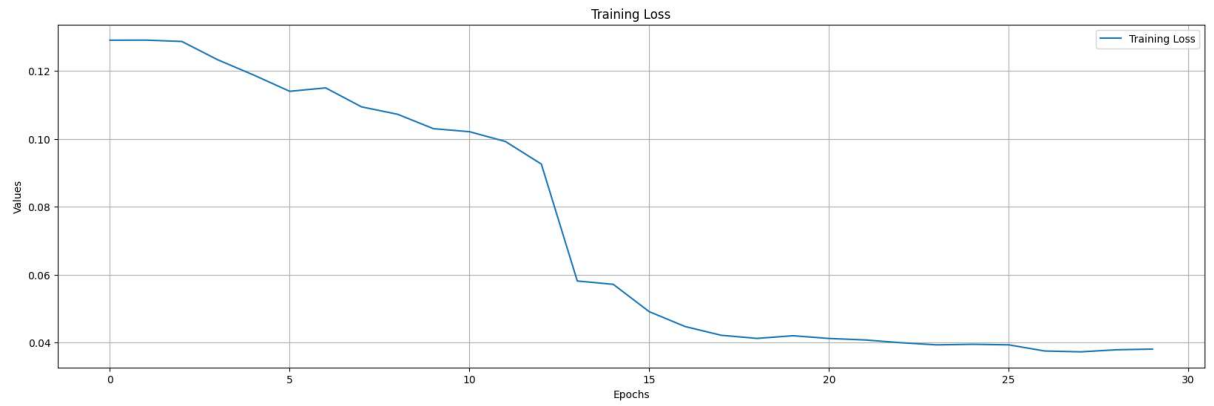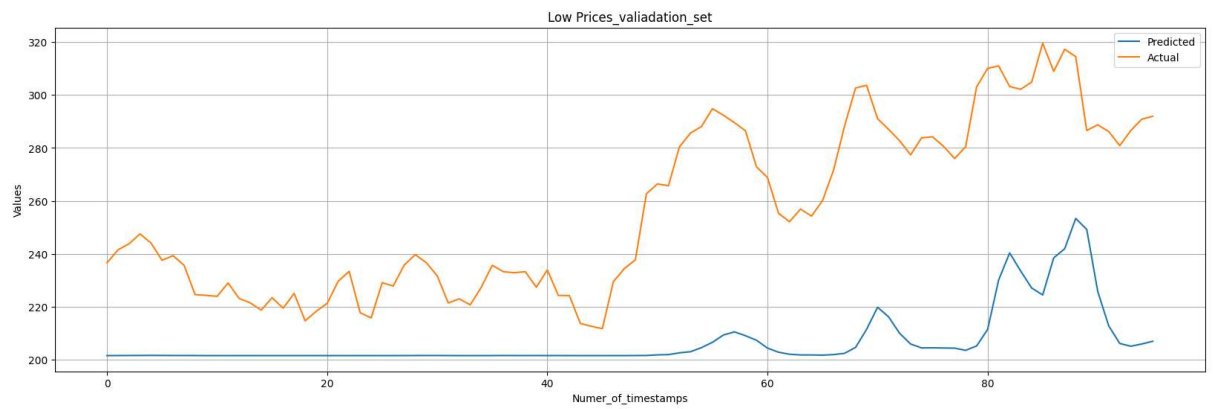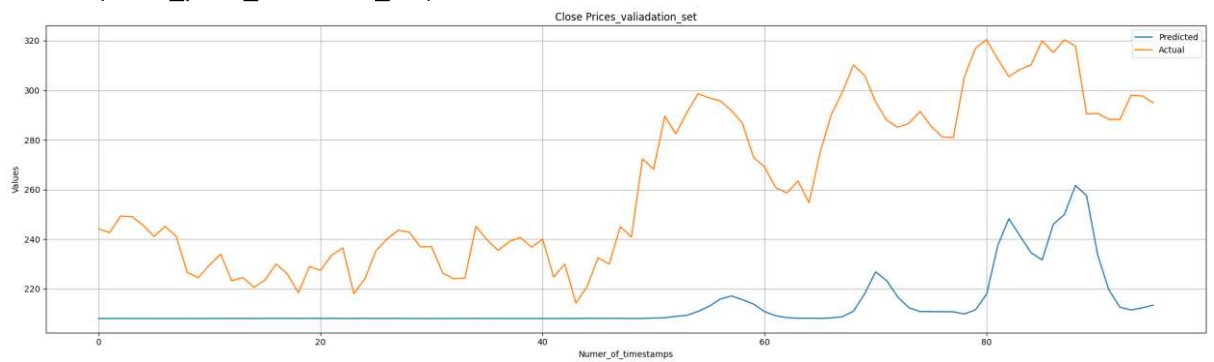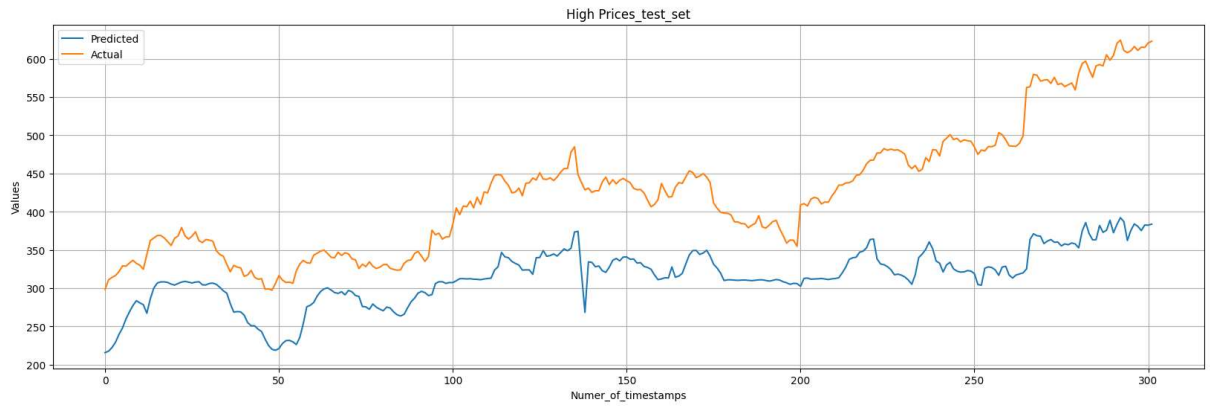
Plot 5 (High_price_test_set)

High Prices_test_set

Plot 6 (Low_price_test_set)

Low Prices_test_set

Plot 7 (Close_price_test_set)

Close Prices_test_set

b) Configuration 2 (learning rate = 0.001)

Plot 8 (Training_Loss)

Training Loss

Plot 9 (High_price_validation_set)

High Prices_valiadation_set

Plot 10 (Low_price_validation_set)

Low Prices_valiadation_set

Plot 11 (Close_price_validation_set)

Close Prices_valiadation_set

Plot 12 (High_price_test_set)

High Prices_test_set

Plot 13 (Low_price_test_set)
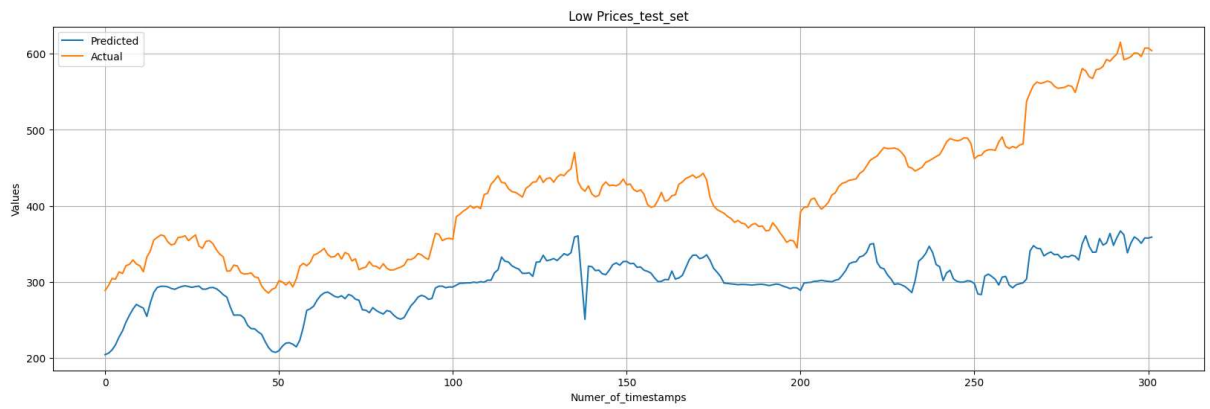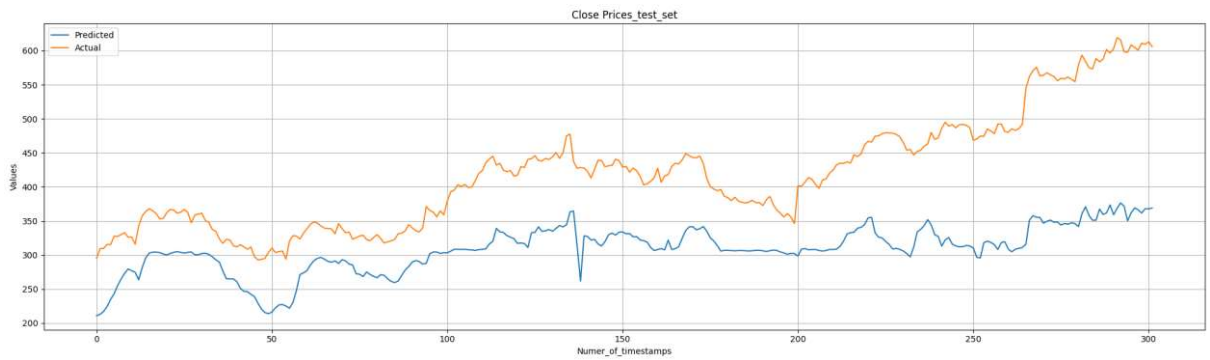

Low Prices_test_set

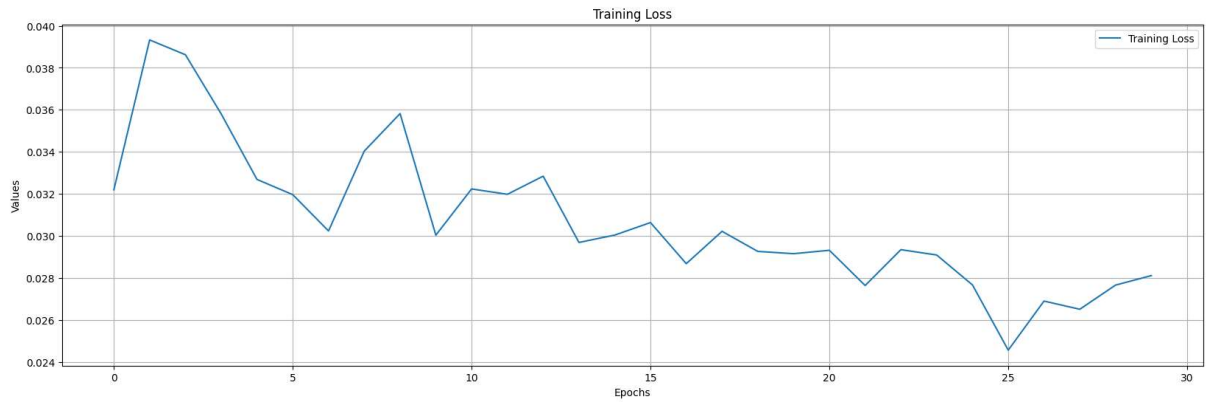Plot 14 (Close_price_test_set)

Close Prices_test_set

2) GRU

c) Configuration 1 (learning rate = 0.005)

Plot 15 (Training_Loss)

Training Loss

Plot 16 (High_price_validation_set)

High Prices_valiadation_set

Plot 17 (Low_price_validation_set)

Low Prices_valiadation_set

Plot 18 (Close_price_validation_set)

Close Prices_valiadation_set

Plot 19 (High_price_test_set)

High Prices_test_set

Plot 20 (Low_price_test_set)
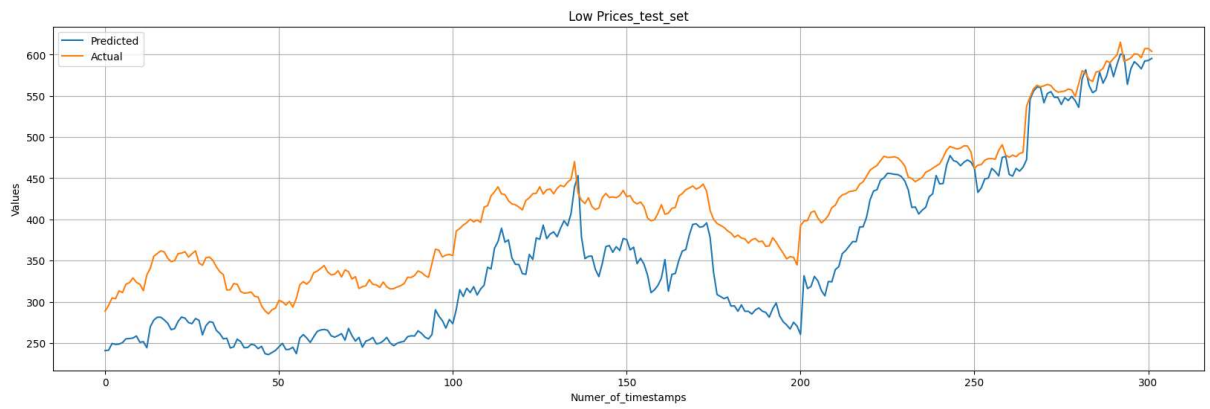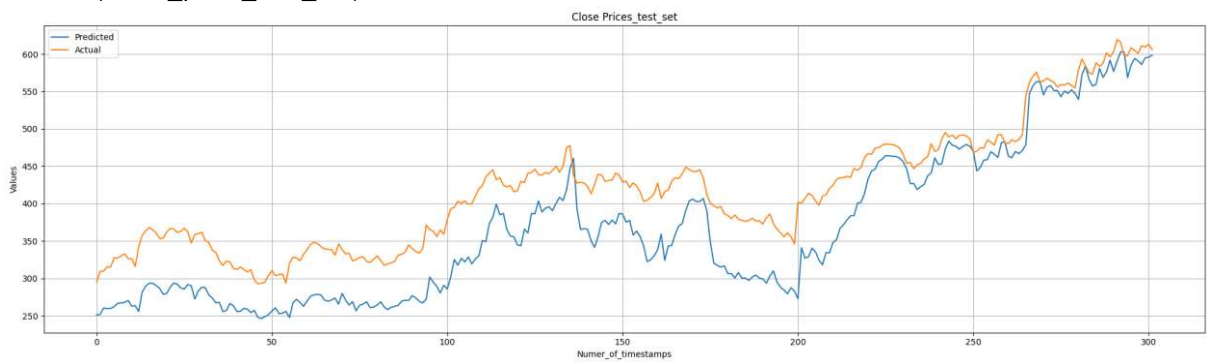

Low Prices_test_set

Plot 21 (Close_price_test_set)

Close Prices_test_set

d) Configuration 2 (learning rate = 0.001)

Plot 22 (Training_Loss)
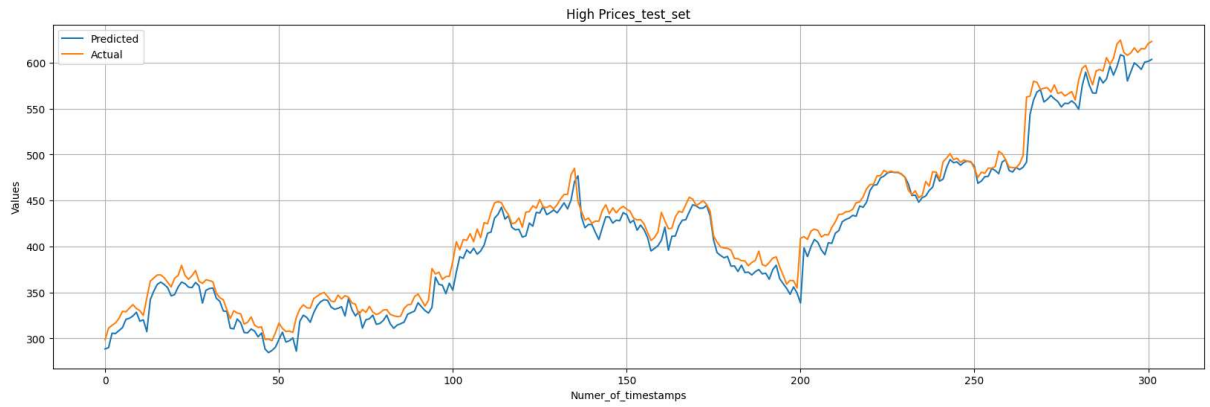
Training Loss
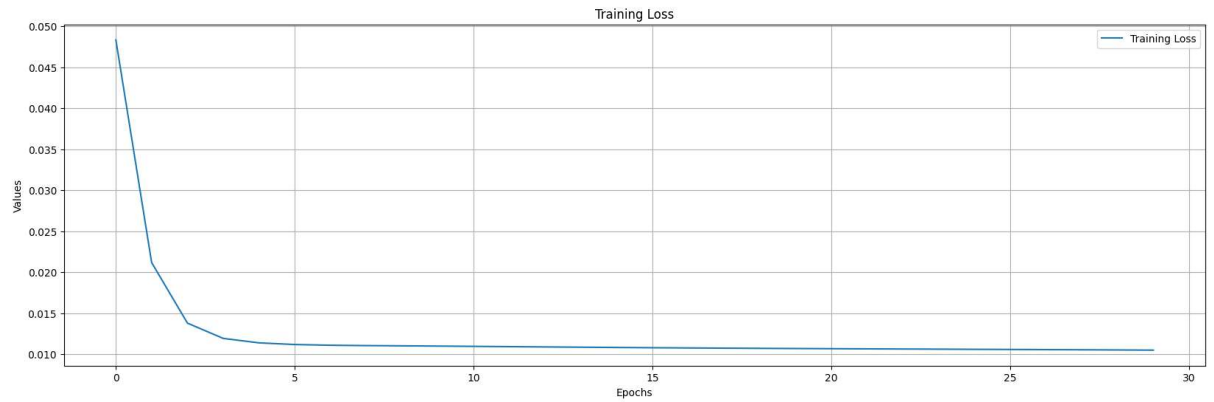
Plot 23 (High_price_validation_set)

High Prices_valiadation_set
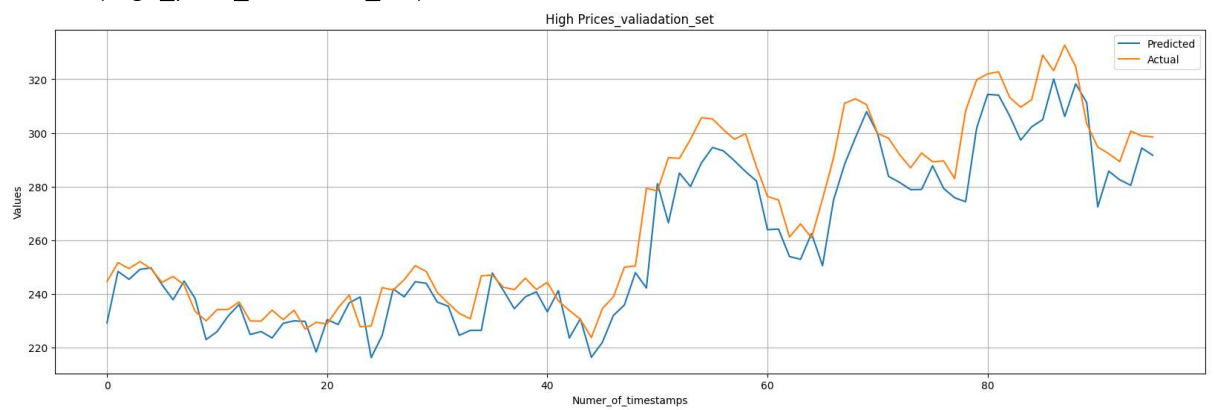
Plot 24 (Low_price_validation_set)

Low Prices_valiadation_set

Plot 25 (Close_price_validation_set)

Close Prices_valiadation_set

Plot 26 (High_price_test_set)

High Prices_test_set

Plot 27 (Low_price_test_set)
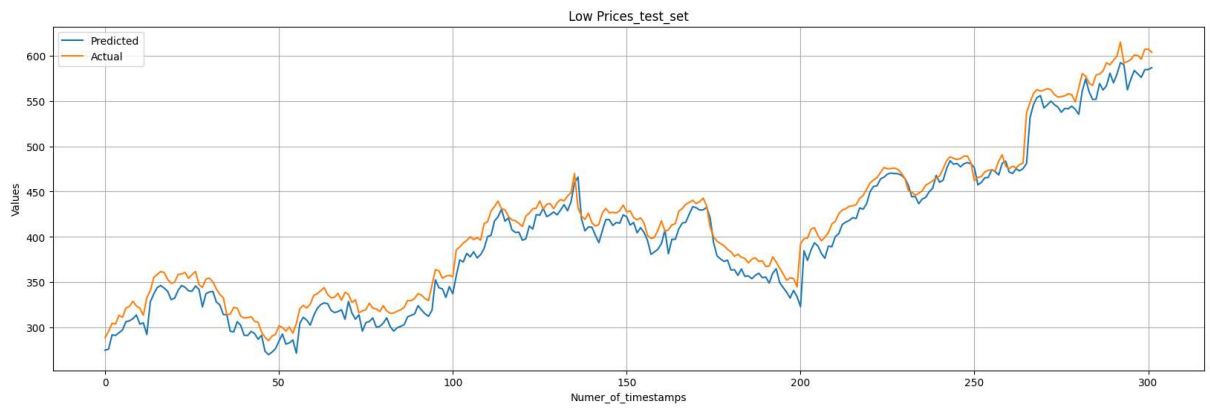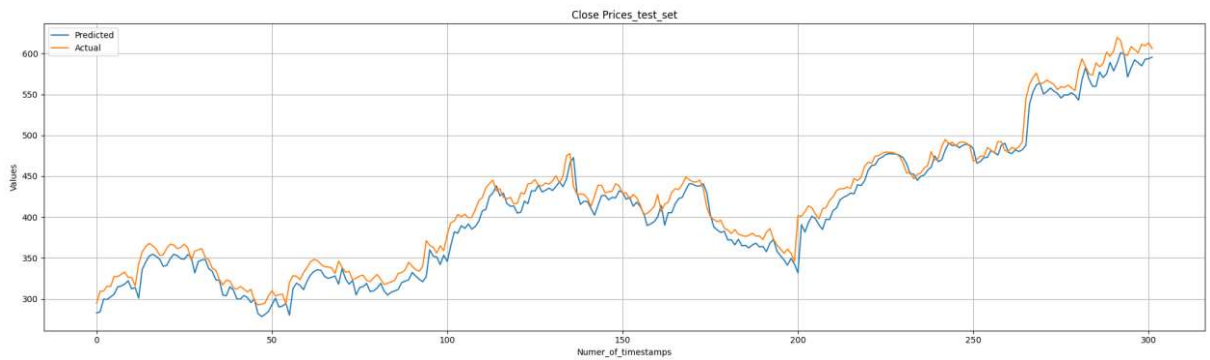

Low Prices_test_set

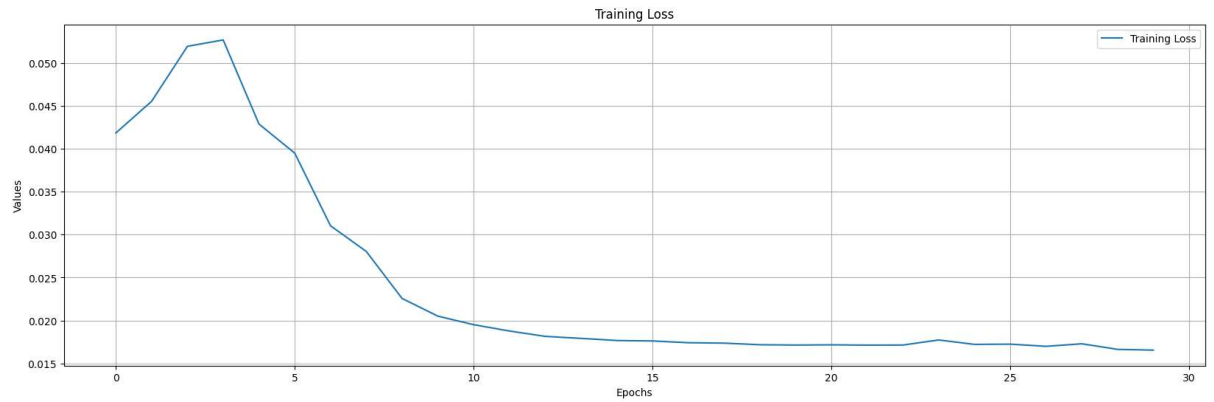Plot 28 (Close_price_test_set)

Close Prices_test_set

3) LSTM

e) Configuration 1 (learning rate = 0.005)

Plot 29 (Training_Loss)
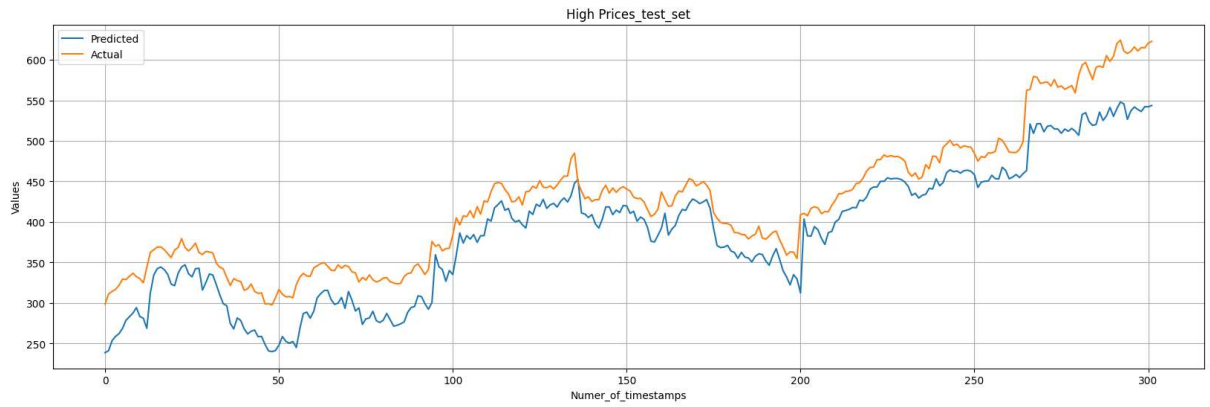
Training Loss

Plot 30 (High_price_validation_set)

High Prices_valiadation_set
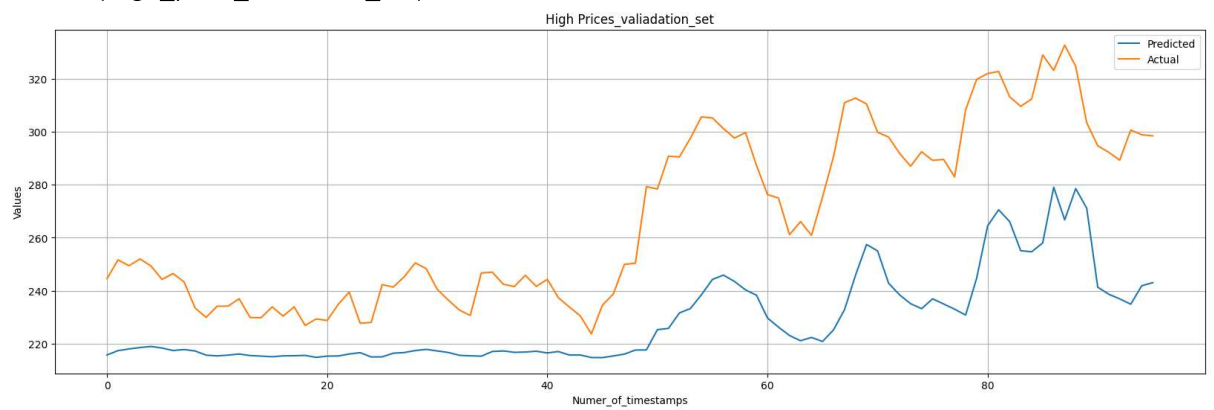
Plot 31 (Low_price_validation_set)

Low Prices_valiadation_set
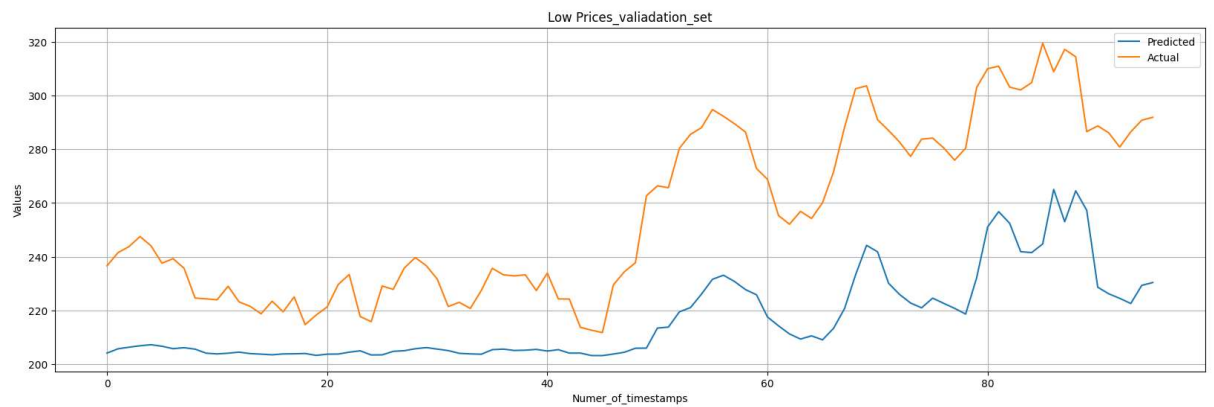
Plot 32 (Close_price_validation_set)

Close Prices_valiadation_set

Plot 33 (High_price_test_set)
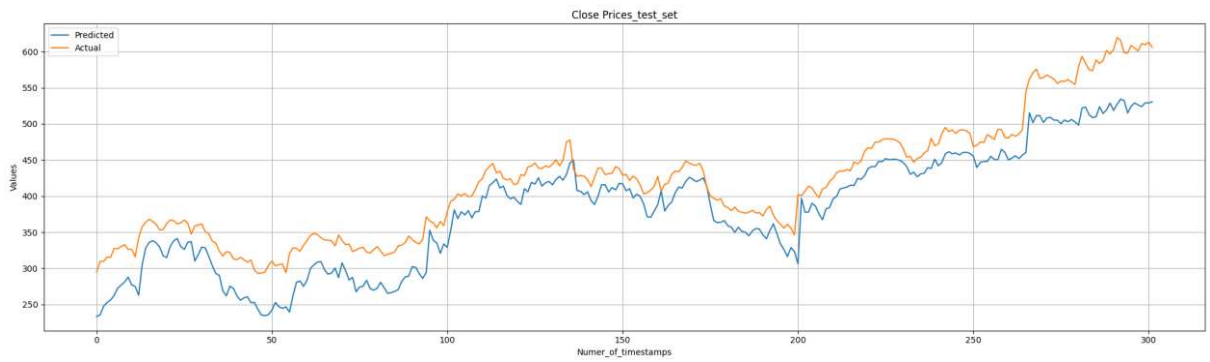

High Prices_test_set

Plot 34 (Low_price_test_set)
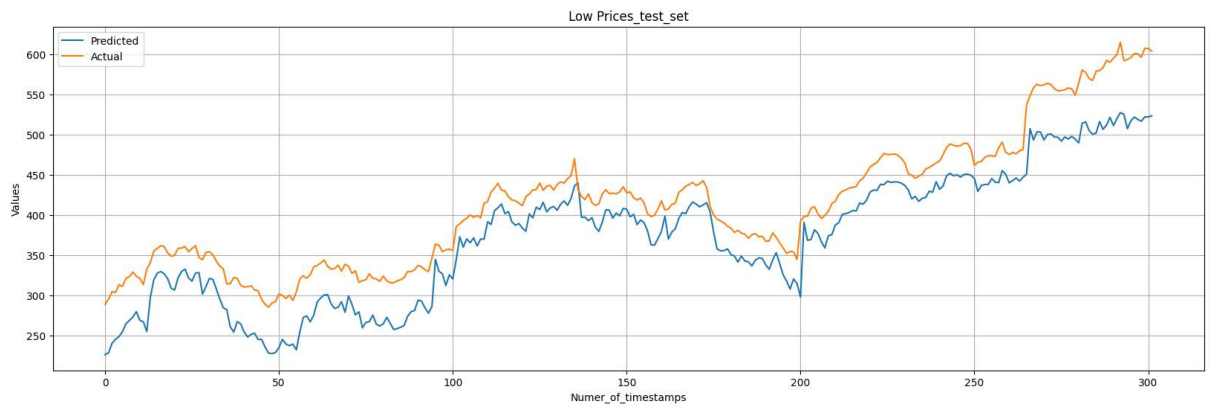
Low Prices_test_set

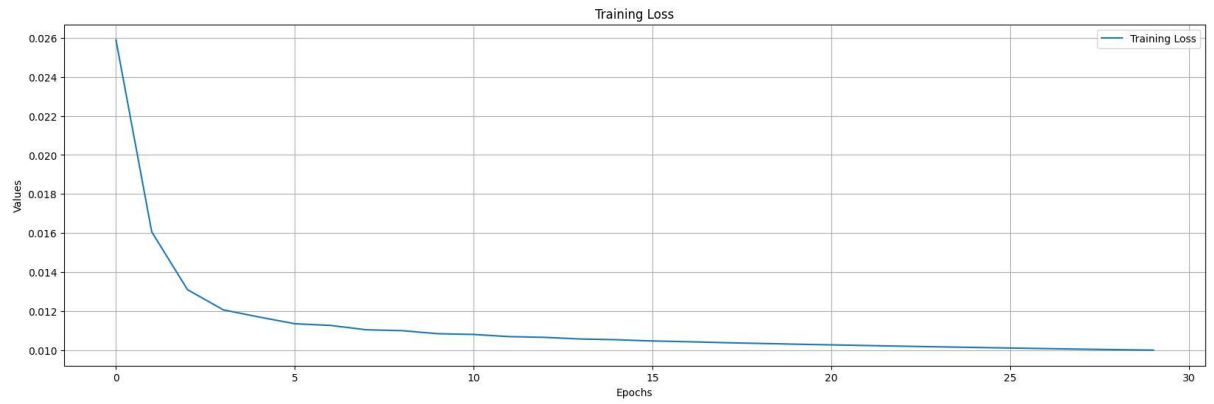Plot 35 (Close_price_test_set)

Close Prices_test_set

f)   Configuration 2 (learning rate = 0.001)

Plot 36 (Training_Loss)

Training Loss

Plot 37 (High_price_validation_set)

High Prices_valiadation_set
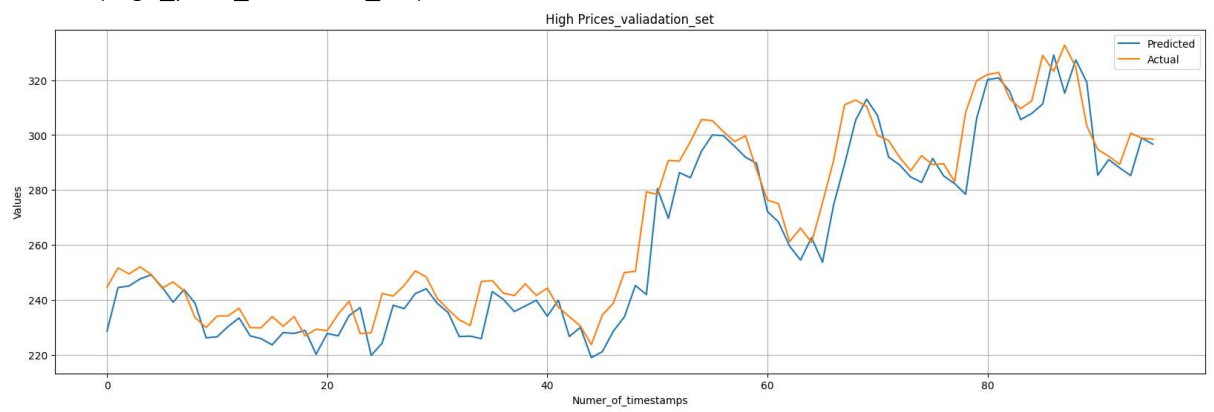
Plot 38 (Low_price_validation_set)

Low Prices_valiadation_set
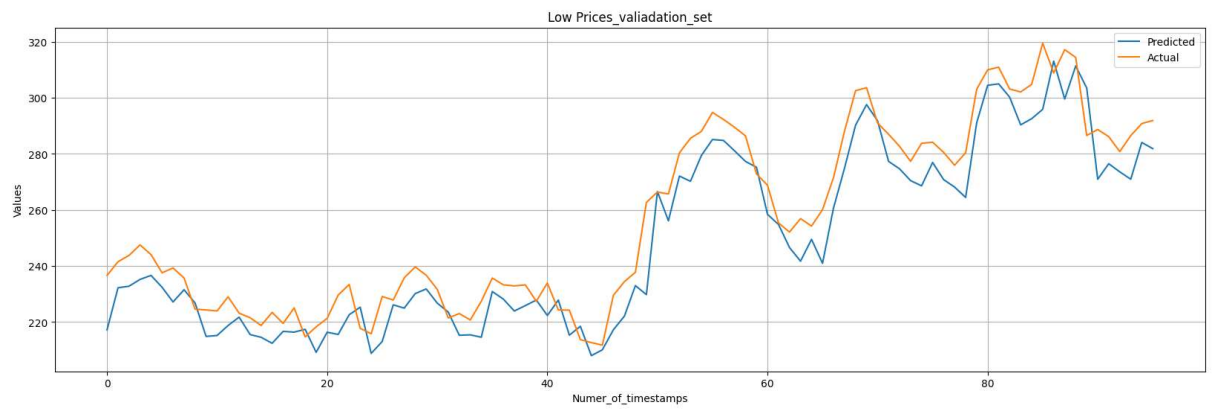
Plot 39 (Close_price_validation_set)

Close Prices_valiadation_set

Plot 40 (High_price_test_set)

High Prices_test_set
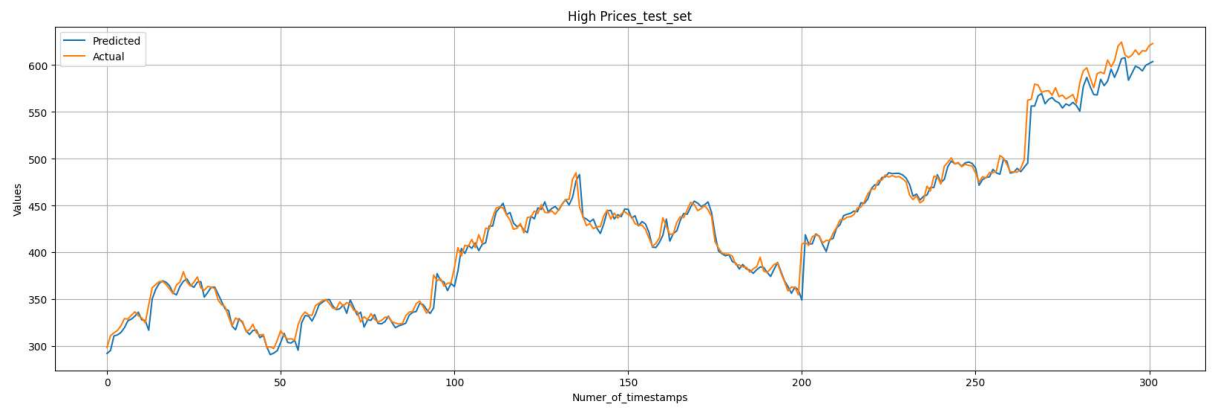
Plot 41 (Low_price_test_set)

Low Prices_test_set
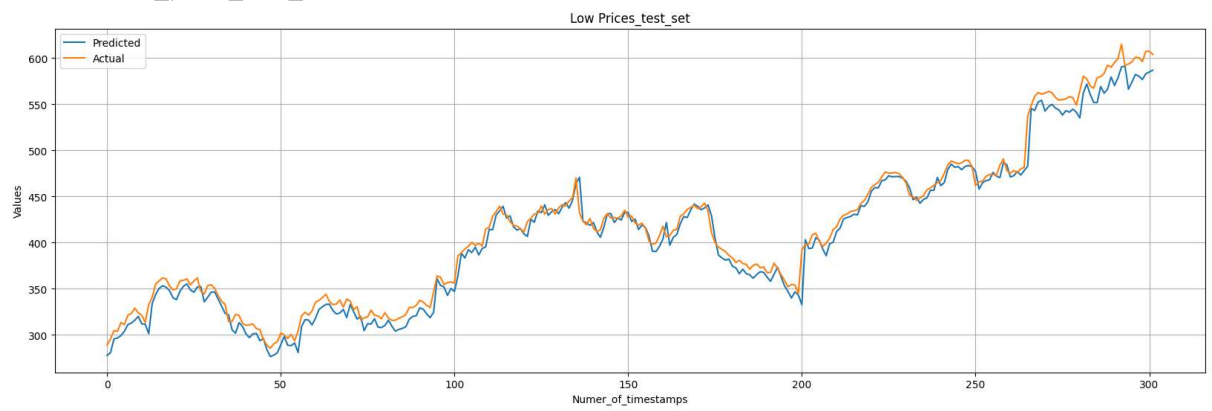
Plot 42 (Close_price_test_set)

Close Prices_test_set