

predicted results:

## Task-1

```
# Make predictions on the test set
test_preds = model.predict(test[feature_cols])

# Create a submission DataFrame
submission = test[['date', 'Item Id']].copy()
submission['predicted_units'] = test_preds

# Save the submission file
submission.to_csv('C:/Users/saicharan/OneDrive/Desktop/Nap Queens/Task1/s
print("Submission file created.")
```

Validation MSE: 1186.77385064152  
Submission file created.

## Task-2

```
# Make predictions on the test set
test_preds = model.predict(test[feature_cols])

# Create a submission DataFrame
submission = test[['date', 'Item Id']].copy()
submission['predicted_units'] = test_preds

# Save the submission file
submission.to_csv('C:/Users/saicharan/OneDrive/Desktop/Nap Queens/Task2/s
print("Submission file created.")
```

Validation MSE: 3061.47883598121  
Submission file created.