

```
1 D:\Project\Amazon\.venv\Scripts\python.exe D:\Project
  \Amazon\Model_Development.py
2 D:\Project\Amazon\.venv\Lib\site-packages\sklearn\
  preprocessing\_encoders.py:246: UserWarning: Found
  unknown categories in columns [8, 9] during transform
  . These unknown categories will be encoded as all
  zeros
3   warnings.warn(
4 2025/09/27 18:53:05 WARNING mlflow.models.model: `
  artifact_path` is deprecated. Please use `name`
  instead.
5 2025/09/27 18:53:16 WARNING mlflow.models.model:
  Model logged without a signature and input example.
  Please set `input_example` parameter when logging the
  model to auto infer the model signature.
6 Linear Regression Performance:
7   MAE: 28.93
8   RMSE: 36.69
9   R2: 0.49
10 =====
11 D:\Project\Amazon\.venv\Lib\site-packages\sklearn\
  preprocessing\_encoders.py:246: UserWarning: Found
  unknown categories in columns [8, 9] during transform
  . These unknown categories will be encoded as all
  zeros
12   warnings.warn(
13 2025/09/27 19:27:47 WARNING mlflow.models.model: `
  artifact_path` is deprecated. Please use `name`
  instead.
14 2025/09/27 19:28:00 WARNING mlflow.models.model:
  Model logged without a signature and input example.
  Please set `input_example` parameter when logging the
  model to auto infer the model signature.
15 Random Forest Performance:
16   MAE: 17.23
17   RMSE: 22.52
18   R2: 0.81
19 =====
20 D:\Project\Amazon\.venv\Lib\site-packages\sklearn\
  preprocessing\_encoders.py:246: UserWarning: Found
  unknown categories in columns [8, 9] during transform
```

```
20 . These unknown categories will be encoded as all
    zeros
21 warnings.warn(
22 2025/09/27 19:28:39 WARNING mlflow.models.model: `
    artifact_path` is deprecated. Please use `name`
    instead.
23 2025/09/27 19:28:47 WARNING mlflow.models.model:
    Model logged without a signature and input example.
    Please set `input_example` parameter when logging the
    model to auto infer the model signature.
24 Gradient Boosting Performance:
25     MAE: 19.67
26     RMSE: 25.08
27     R2: 0.76
28 =====
29
30 Process finished with exit code 0
31
```