

code clause -- Artificial intelligence TASK --1 Sales predictor

```
import numpy as np
from sklearn.linear_model import LinearRegression

# Sample input data
# You can replace this with your own dataset
# X represents the input features, and y represents the corresponding sales
X = np.array([[1, 2, 3], [4, 5, 6], [7, 8, 9]]) # Input features
y = np.array([10, 20, 30]) # Sales

# Create a linear regression model
model = LinearRegression()

# Train the model
model.fit(X, y)

# Predict sales for new input features
new_features = np.array([[2, 3, 4], [5, 6, 7]]) # New input features
predicted_sales = model.predict(new_features)

# Print the predicted sales
for i in range(len(predicted_sales)):
    print(f"Predicted sales for new features {new_features[i]}: {predicted_sales[i]}")

    Predicted sales for new features [2 3 4]: 13.333333333333332
    Predicted sales for new features [5 6 7]: 23.333333333333332
```

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