### Upload the dataset

```
# Upload the Dataset
from google.colab import files
uploaded = files.upload()
```

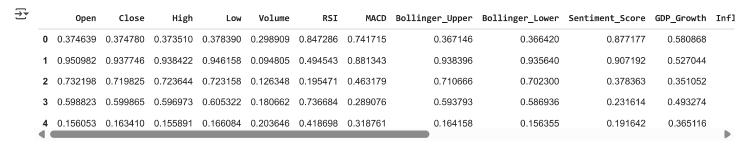


Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to

#### Load the dataset

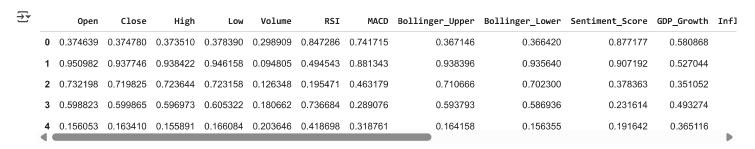
```
# Load the Dataset
import pandas as pd

df = pd.read_csv('stock_data.csv')
df.head()
```



#### **Data Exploration**

df.head()



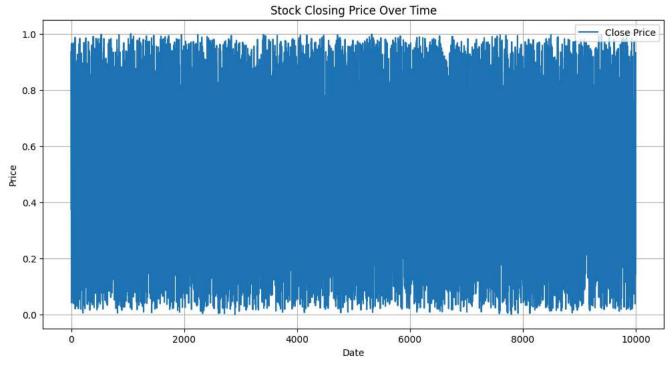
### **Check for Missing Values and Duplicates**

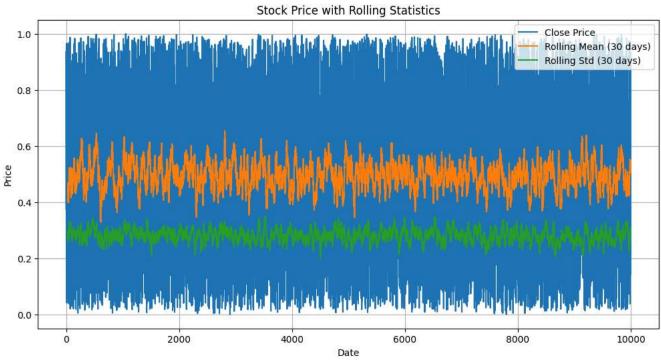
```
print(df.isnull().sum())
print("Duplicate rows:", df.duplicated().sum())
   0pen
                        0
    Close
                        0
    High
                        0
    Low
                        0
    Volume
    RSI
    MACD
                        0
    Bollinger_Upper
                        0
    Bollinger_Lower
                        0
    Sentiment_Score
                        0
    GDP_Growth
                        0
    Inflation_Rate
                        0
    Target
                        0
    dtype: int64
    Duplicate rows: 0
```

## Visualize a Few Features

```
import matplotlib.pyplot as plt
# Plot the closing price over time
plt.figure(figsize=(12, 6))
plt.plot(df['Close'], label='Close Price')
plt.title('Stock Closing Price Over Time')
plt.xlabel('Date')
plt.ylabel('Price')
plt.legend()
plt.grid(True)
plt.show()
# You can also visualize other features like rolling mean and standard deviation
# Calculate rolling mean and standard deviation
df['Rolling Mean'] = df['Close'].rolling(window=30).mean() # 30-day rolling mean
df['Rolling Std'] = df['Close'].rolling(window=30).std()
# Plot rolling statistics along with closing price
plt.figure(figsize=(12, 6))
plt.plot(df['Close'], label='Close Price')
plt.plot(df['Rolling Mean'], label='Rolling Mean (30 days)')
plt.plot(df['Rolling Std'], label='Rolling Std (30 days)')
plt.title('Stock Price with Rolling Statistics')
plt.xlabel('Date')
plt.ylabel('Price')
plt.legend()
plt.grid(True)
plt.show()
```







# **Identify Target and Features**

## Convert Categorical Columns to Numerical

```
5/19/25, 8:25 PM
                                                                            NM Project - Colab
     # Identify categorical columns
     categorical_cols = df.select_dtypes(include=['object']).columns
     print("Categorical Columns:", categorical_cols.tolist())
     Categorical Columns: []
    One-Hot Encoding
     df_encoded = pd.get_dummies(df, drop_first=True)
    Feature Scaling
    import pandas as pd
    from sklearn.preprocessing import MinMaxScaler
    # Assuming df_encoded is your DataFrame with encoded features:
    # 1. Create a MinMaxScaler object
    scaler = MinMaxScaler()
    # 2. Select the numerical features to scale
       (excluding the target variable if it's in
    Train-Test Split
    from sklearn.model_selection import train_test_split
    # Assuming df_encoded is your DataFrame with features and target:
    # and 'Close' is your target variable
    # 1. Separate features (X) and target (y)
   X = df_encoded.drop('Close', axis=1) # Features (all columns except 'Close')
    y = df_encoded['Close']
                                        # Target variable ('Close')
    # 2. Perform the split
    X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)
    # Explanation of parameters:
    # - X, y: Your features and target data
    # - test_size: Proportion of data to include in the test split (e.g., 0.2 for 20%)
    Model Building
    # Model Building
    # Import the Linear Regression model
    from sklearn.linear_model import LinearRegression
    # Create a Linear Regression model instance
    model = LinearRegression()
    # Train the model using the training data
    # X_train contains your features for training
    # y_train contains your target variable (Close price) for training
    model.fit(X_train, y_train)
    print("Model training complete.")
    # You can now use this 'model' object to make predictions
    → Model training complete.
    Evaluation
    # Evaluation (Simple)
    from sklearn.metrics import r2_score, mean_absolute_error
```

```
# Make predictions on the test set
y pred = model.predict(X test)
```

```
# Calculate evaluation metrics
mae = mean_absolute_error(y_test, y_pred)
r2 = r2_score(y_test, y_pred)

# Print the evaluation metrics
print(f"Mean Absolute Error (MAE): {mae:.2f}")
print(f"R-squared (R2): {r2:.2f}")

# You can still include a simple visualization
import matplotlib.pyplot as plt

plt.figure(figsize=(8, 5))
plt.scatter(y_test, y_pred, alpha=0.6)
plt.xlabel("Actual Close Price")
plt.ylabel("Predicted Close Price")
plt.title("Actual vs. Predicted Close Prices (Simple)")
plt.grid(True)
plt.show()
```

Mean Absolute Error (MAE): 0.00 R-squared (R2): 1.00



### Make Predictions from New Input

```
# Sample input (replace values with any other valid values from the original dataset)
new_student = {
   'school': 'GP',
                                # 'GP' or 'MS'
   'sex': 'F',
                                # 'F' or 'M'
   'age': 17,
                               # Integer
   'address': 'U',
                              # 'U' or 'R'
   'famsize': 'GT3',
                              # 'LE3' or 'GT3'
   'Pstatus': 'A',
                              # 'A' or 'T'
   'Medu': 4,
                              # 0 to 4
   'Fedu': 3,
                              # 0 to 4
   'Mjob': 'health',
                              # 'teacher', 'health', etc.
   'Fjob': 'services',
   'reason': 'course',
   'guardian': 'mother',
   'traveltime': 2,
   'studytime': 3,
   'failures': 0,
   'schoolsup': 'yes',
   'famsup': 'no',
   'paid': 'no',
   'activities': 'yes',
   'nursery': 'yes',
   'higher': 'yes',
   'internet': 'yes',
   'romantic': 'no',
   'famrel': 4,
   'freetime': 3,
```

```
'goout': 3,
   'Dalc': 1,
   'Walc': 1,
   'health': 4,
  'absences': 2,
  'G1': 14,
'G2': 15
```

### Convert to DataFrame and Encode

```
import pandas as pd
# 1. Convert the new input to a DataFrame
new_input_df = pd.DataFrame([new_student]) # Enclose in a list to create DataFrame
# 2. Perform one-hot encoding
# (Assuming 'df_encoded' is the DataFrame used during training)
new_input_encoded = pd.get_dummies(new_input_df)
# 3. Align columns with the training data
# (To ensure the same features are present in the new input)
new_input_encoded = new_input_encoded.reindex(columns=X_train.columns, fill_value=0)
# Now, 'new_input_encoded' is ready for prediction.
```

#### Predict the Final Grade

```
# Predict the Close Price for the new input
# Use the trained model to make a prediction
# new_input_encoded is the DataFrame representing the new data point
predicted_close_price = model.predict(new_input_encoded)
# The predict method returns an array, even for a single prediction.
# We extract the first (and only) element to get the single predicted value.
predicted_price = predicted_close_price[0]
print(f"Predicted Close Price for the new input: {predicted_price:.2f}")
→ Predicted Close Price for the new input: -0.00
```

## **Deployment-Building an Interactive App**

```
!pip install streamlit
import streamlit as st
import pandas as pd
from sklearn.linear_model import LinearRegression # Or your chosen model
# ... (Load your trained model and necessary data here) ...
# Create the Streamlit app
st.title("Stock Price Prediction App")
# Input fields for features
open_price = st.number_input("Open Price")
high_price = st.number_input("High Price")
low_price = st.number_input("Low Price")
volume = st.number_input("Volume")
# ... (Add other input fields for your features) ...
# Create a button to trigger prediction
if st.button("Predict"):
   # Create a DataFrame from the input values
    input_data = pd.DataFrame({
        "Open": [open_price],
        "High": [high_price],
        "Low": [low_price],
       "Volume": [volume],
        # ... (Include other features) ...
   })
```

# Preprocess the input data (e.g., scaling) if necessary

# ...

```
# Make the prediction
   prediction = model.predict(input_data)[0]
   # Display the prediction
   st.success(f"Predicted Close Price: {prediction}")
Fraction Requirement already satisfied: streamlit in /usr/local/lib/python3.11/dist-packages (1.45.1)
    Requirement already satisfied: altair<6,>=4.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (5.5.0)
    Requirement already satisfied: blinker<2,>=1.5.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (1.9.0)
    Requirement already satisfied: cachetools<6,>=4.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (5.5.2)
    Requirement already satisfied: click<9,>=7.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (8.1.8)
    Requirement already satisfied: numpy<3,>=1.23 in /usr/local/lib/python3.11/dist-packages (from streamlit) (2.0.2)
    Requirement already satisfied: packaging<25,>=20 in /usr/local/lib/python3.11/dist-packages (from streamlit) (24.2)
    Requirement already satisfied: pandas<3,>=1.4.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (2.2.2)
    Requirement already satisfied: pillow<12,>=7.1.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (11.2.1)
    Requirement already satisfied: protobuf<7,>=3.20 in /usr/local/lib/python3.11/dist-packages (from streamlit) (5.29.4)
    Requirement already satisfied: pyarrow>=7.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (18.1.0)
    Requirement already satisfied: requests<3,>=2.27 in /usr/local/lib/python3.11/dist-packages (from streamlit) (2.32.3)
    Requirement already satisfied: tenacity<10,>=8.1.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (9.1.2)
    Requirement already satisfied: toml<2,>=0.10.1 in /usr/local/lib/python3.11/dist-packages (from streamlit) (0.10.2)
    Requirement already satisfied: typing-extensions<5,>=4.4.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (4.13.2)
    Requirement already satisfied: watchdog<7,>=2.1.5 in /usr/local/lib/python3.11/dist-packages (from streamlit) (6.0.0)
    Requirement already satisfied: gitpython!=3.1.19,<4,>=3.0.7 in /usr/local/lib/python3.11/dist-packages (from streamlit) (3.1.44)
    Requirement already satisfied: pydeck<1,>=0.8.0b4 in /usr/local/lib/python3.11/dist-packages (from streamlit) (0.9.1)
    Requirement already satisfied: tornado<7,>=6.0.3 in /usr/local/lib/python3.11/dist-packages (from streamlit) (6.4.2)
    Requirement already satisfied: jinja2 in /usr/local/lib/python3.11/dist-packages (from altair<6,>=4.0->streamlit) (3.1.6)
    Requirement already satisfied: jsonschema>=3.0 in /usr/local/lib/python3.11/dist-packages (from altair<6,>=4.0->streamlit) (4.23.0)
    Requirement already satisfied: narwhals>=1.14.2 in /usr/local/lib/python3.11/dist-packages (from altair<6,>=4.0->streamlit) (1.38.0)
    Requirement already satisfied: gitdb<5,>=4.0.1 in /usr/local/lib/python3.11/dist-packages (from gitpython!=3.1.19,<4,>=3.0.7->streaml
    Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas<3,>=1.4.0->streamlit) (
    Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas<3,>=1.4.0->streamlit) (2025.2)
    Requirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas3,>=1.4.0->streamlit) (2025.2)
    Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->streamlit
    Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->streamlit) (3.10)
    Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->streamlit) (2.4
    Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->streamlit) (202
    Requirement already satisfied: smmap<6,>=3.0.1 in /usr/local/lib/python3.11/dist-packages (from gitdb<5,>=4.0.1->gitpython!=3.1.19,<4
    Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.11/dist-packages (from jinja2->altair<6,>=4.0->streamlit) (3
    Requirement already satisfied: attrs>=22.2.0 in /usr/local/lib/python3.11/dist-packages (from jsonschema>=3.0->altair<6,>=4.0->stream
    Requirement already satisfied: jsonschema-specifications>=2023.03.6 in /usr/local/lib/python3.11/dist-packages (from jsonschema>=3.0-
    Requirement already satisfied: referencing>=0.28.4 in /usr/local/lib/python3.11/dist-packages (from jsonschema>=3.0->altair<6,>=4.0->
    Requirement already satisfied: rpds-py>=0.7.1 in /usr/local/lib/python3.11/dist-packages (from jsonschema>=3.0->altair<6,>=4.0->strea
    Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil>=2.8.2->pandas<3,>=1.4.0->st
    2025-05-13 09:26:37.721 WARNING streamlit.runtime.scriptrunner_utils.script_run_context: Thread 'MainThread': missing ScriptRunContex
    2025-05-13 09:26:38.126
      Warning: to view this Streamlit app on a browser, run it with the following
      command:
        streamlit run /usr/local/lib/python3.11/dist-packages/colab kernel launcher.py [ARGUMENTS]
    2025-05-13 09:26:38.129 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.130 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.133 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.136 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.138 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.139 Session state does not function when running a script without `streamlit run`
    2025-05-13 09:26:38.140 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.143 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.144 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.149 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.154 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.157 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.162 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
    2025-05-13 09:26:38.169 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
```

### **Create a Prediction Function**

```
import numpy as np

def predict_next_close(input_sequence, model, scaler, seq_length=60):
    """

    Predict the next stock closing price using a trained LSTM model.

    Parameters:
        input_sequence (list or np.array): Last `seq_length` days of closing prices.
        model (keras.Model): Trained LSTM model.
        scaler (MinMaxScaler): Scaler used for normalization.
        seq_length (int): Number of time steps used in training.
```

```
Returns:
    float: Predicted next closing price (denormalized).
"""

if len(input_sequence) != seq_length:
    raise ValueError(f"Input sequence must be of length {seq_length}")

# Scale and reshape input
scaled_sequence = scaler.transform(np.array(input_sequence).reshape(-1, 1))
X_input = np.reshape(scaled_sequence, (1, seq_length, 1))

# Predict
prediction = model.predict(X_input)
predicted_price = scaler.inverse_transform(prediction)[0][0]

return round(predicted_price, 2)
```

#### Create the Gradio Interface

```
!pip install gradio
```

```
→ Collecting gradio
      Downloading gradio-5.29.1-py3-none-any.whl.metadata (16 kB)
    Collecting aiofiles<25.0,>=22.0 (from gradio)
      Downloading aiofiles-24.1.0-py3-none-any.whl.metadata (10 kB)
    Requirement already satisfied: anyio<5.0,>=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (4.9.0)
    Collecting fastapi<1.0,>=0.115.2 (from gradio)
      Downloading fastapi-0.115.12-py3-none-any.whl.metadata (27 kB)
    Collecting ffmpy (from gradio)
      Downloading ffmpy-0.5.0-py3-none-any.whl.metadata (3.0 kB)
    Collecting gradio-client==1.10.1 (from gradio)
      Downloading gradio_client-1.10.1-py3-none-any.whl.metadata (7.1 kB)
    Collecting groovy~=0.1 (from gradio)
      Downloading groovy-0.1.2-py3-none-any.whl.metadata (6.1 kB)
    Requirement already satisfied: httpx>=0.24.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.28.1)
    Requirement already satisfied: huggingface-hub>=0.28.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.31.2)
    Requirement already satisfied: jinja244.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.1.6)
    Requirement already satisfied: markupsafe<4.0,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.0.2)
    Requirement already satisfied: numpy<3.0,>=1.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.0.2)
    Requirement already satisfied: orjson~=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.10.18)
    Requirement already satisfied: packaging in /usr/local/lib/python3.11/dist-packages (from gradio) (24.2)
    Requirement already satisfied: pandas<3.0,>=1.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.2.2)
    Requirement already satisfied: pillow<12.0,>=8.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (11.2.1)
    Requirement already satisfied: pydantic<2.12,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.11.4)
    Collecting pydub (from gradio)
      Downloading pydub-0.25.1-py2.py3-none-any.whl.metadata (1.4 kB)
    Collecting python-multipart>=0.0.18 (from gradio)
      Downloading python_multipart-0.0.20-py3-none-any.whl.metadata (1.8 kB)
    Requirement already satisfied: pyyaml<7.0,>=5.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (6.0.2)
    Collecting ruff>=0.9.3 (from gradio)
      Downloading ruff-0.11.10-py3-none-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (25 kB)
    Collecting safehttpx<0.2.0,>=0.1.6 (from gradio)
      Downloading safehttpx-0.1.6-py3-none-any.whl.metadata (4.2 kB)
    Collecting semantic-version~=2.0 (from gradio)
      Downloading semantic_version-2.10.0-py2.py3-none-any.whl.metadata (9.7 kB)
    Collecting starlette<1.0,>=0.40.0 (from gradio)
      Downloading starlette-0.46.2-py3-none-any.whl.metadata (6.2 kB)
    Collecting tomlkit<0.14.0,>=0.12.0 (from gradio)
      Downloading tomlkit-0.13.2-py3-none-any.whl.metadata (2.7 kB)
    Requirement already satisfied: typer<1.0,>=0.12 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.15.3)
    Requirement already satisfied: typing-extensions~=4.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (4.13.2)
    Collecting uvicorn>=0.14.0 (from gradio)
      Downloading uvicorn-0.34.2-py3-none-any.whl.metadata (6.5 kB)
    Requirement already satisfied: fsspec in /usr/local/lib/python3.11/dist-packages (from gradio-client==1.10.1->gradio) (2025.3.2)
    Requirement already satisfied: websockets<16.0,>=10.0 in /usr/local/lib/python3.11/dist-packages (from gradio-client==1.10.1->gradio)
    Requirement already satisfied: idna>=2.8 in /usr/local/lib/python3.11/dist-packages (from anyio<5.0,>=3.0->gradio) (3.10)
    Requirement already satisfied: sniffio>=1.1 in /usr/local/lib/python3.11/dist-packages (from anyio<5.0,>=3.0->gradio) (1.3.1)
    Requirement already satisfied: certifi in /usr/local/lib/python3.11/dist-packages (from httpx>=0.24.1->gradio) (2025.4.26)
    Requirement already satisfied: httpcore==1.* in /usr/local/lib/python3.11/dist-packages (from httpx>=0.24.1->gradio) (1.0.9)
    Requirement already satisfied: h11>=0.16 in /usr/local/lib/python3.11/dist-packages (from httpcore==1.*->httpx>=0.24.1->gradio) (0.16
    Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.28.1->gradio) (3.18.0)
    Requirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.28.1->gradio) (2.32.3)
    Requirement already satisfied: tqdm>=4.42.1 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.28.1->gradio) (4.67.1
    Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas<3.0,>=1.0->gradio) (2.9
    Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas<3.0,>=1.0->gradio) (2025.2)
    Requirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas<3.0,>=1.0->gradio) (2025.2)
    Requirement already satisfied: annotated-types>=0.6.0 in /usr/local/lib/python3.11/dist-packages (from pydantic<2.12,>=2.0->gradio) (
    Requirement already satisfied: pydantic-core==2.33.2 in /usr/local/lib/python3.11/dist-packages (from pydantic<2.12,>=2.0->gradio) (2 🔻
```

```
import gradio as gr
import numpy as np
def predict_next_close(input_sequence_str):
    Takes 60 comma-separated closing prices as input and returns the next predicted price.
    try:
        # Parse input string to list of floats
        input_sequence = [float(x.strip()) for x in input_sequence_str.split(',')]
        if len(input_sequence) != 60:
            return "X Please provide exactly 60 closing prices."
        # Scale and reshape
        scaled_sequence = scaler.transform(np.array(input_sequence).reshape(-1, 1))
        X_input = np.reshape(scaled_sequence, (1, 60, 1))
        # Predict
        prediction = model.predict(X input)
        predicted_price = scaler.inverse_transform(prediction)[0][0]
        return f" Predicted Next Closing Price: ₹{round(predicted_price, 2)}"
    except Exception as e:
        return f"X Error: {str(e)}"
interface = gr.Interface(
    fn=predict_next_close,
    inputs=gr.Textbox(
        placeholder="Enter the last 60 closing prices, separated by commas...",
        label="Recent 60 Closing Prices"
    ),
    outputs=gr.Textbox(label="index Predicted Closing Price"),
    title=" AI Stock Price Predictor",
    description="Enter 60 consecutive closing prices to forecast the next day using an LSTM model."
)
interface.launch()
돺 It looks like you are running Gradio on a hosted a Jupyter notebook. For the Gradio app to work, sharing must be enabled. Automatically
     Colab notebook detected. To show errors in colab notebook, set debug=True in launch()
     * Running on public URL: <a href="https://d705d95e6f7291690a.gradio.live">https://d705d95e6f7291690a.gradio.live</a>
```