LINEAR REGRESSION BEST FIT LINE

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import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
from sklearn.linear model import LinearRegression
from sklearn.metrics import mean_squared_error
import math
# load dataset
dataset = pd.read csv('House Prices1.csv')
pd.set_option('display.max_rows',None)
dataset
# Single Feature Variable - Size of the Houses
size_data = dataset['SqFt']
# Target/Dependent Variable - Price of the Houses
price_data = dataset['Price']
size = np.array(size_data).reshape(-1,1)
price = np.array(price_data).reshape(-1,1)
# Train the Model
model = LinearRegression()
model.fit(size,price)
# Predict Price
price_predicted=model.predict(size)
# Plot the result
plt.scatter(size, price, color="cyan")
plt.plot(size,price_predicted, color="red")
plt.title("Linear Regression",color="red")
plt.xlabel("House Size")
plt.ylabel("House Price")
plt.show()
```

<u>OUTPUT</u>

