plt.ylabel(plt.plot(df plt.show()	'Close price USD (\$)') ['Close']) TESLA
Close buce NSD (\$)	
df=df[['Clo df.head(4) Close 0 420.630005 1 420.279999	50 100 Days Se']]
df.tail(4)	<pre>ion']=df[['Close']].shift(-future_days) e Prediction 0 NaN 8 NaN</pre>
X=np.array(print(X) [420.630005] [420.279999] [424.679993] [406.019989] [410.829987] [388.040009] [400.51001] [423.899994] [420.980011] [438.089996	<pre>df.drop(['Prediction'],1))[:-future_days] s] s]</pre>
[429.950012 [421.26001 [410.359985 [417.130005 [411.76001 [408.5 [408.089996 [441.609985 [486.640015 [499.269985 [489.609985 [521.849976 [555.380005 [574. [585.76001 [567.599976	P]
[584.76001 [568.820007 [593.380005 [599.039978 [641.76001 [649.880005 [604.47998 [627.070007 [609.98999 [639.830017 [633.25 [622.77002 [655.900024 [695. [649.859985 [640.340027 [645.97998	
[661.77002 [663.690002 [665.98999 [694.780029 [705.669983 [729.77002 [735.109985 [755.97998 [816.039978 [880.02002 [811.190002 [849.440002 [854.409973 [845. [826.159973 [844.549988 [850.450012	
[844.98999 [846.640015] [880.799988] [883.090027] [864.159973] [835.429993] [793.530029] [839.809998] [872.789978] [854.690002] [849.98999] [852.22998] [863.419983] [849.460022] [804.820007] [811.659973] [816.119995] [796.219971]	5] 7] 7] 8] 9] 9] 9] 9] 9] 9] 9] 9] 9] 9] 9] 9] 9]
[798.150024 [787.380005 [781.299988] [714.5] [698.840027 [742.02002] [682.219971] [675.5] [718.429993] [686.440002] [653.200012] [621.440002] [597.950012] [563. [673.580017] [668.059998] [699.599976]	5]]]]]]] []]]] []]]]]]]
[693.72998 [707.940002 [676.880005 [701.809998 [653.159973 [654.869995 [670. [662.159973 [630.27002 [640.390015 [611.289978 [635.619995 [667.929993 [667.929993 [661.75 [691.049988 [691.619995 [670.969971	
[683.799988 [677.02002 [701.97998 [762.320007 [732.22998 [738.849976 [739.780029 [714.630005 [718.98999 [744.119995 [719.6900024 [738.200012 [704.73999 [694.400024 [677.	
[684.900024 [673.599976 [670.940002 [663.539978 [672.369995 [629.039978 [617.200012 [589.890015 [571.690002 [589.73999 [576.830017 [577.869995 [563.460022 [586.780029 [580.880005 [606.440002	
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[623.710022 [656.570007 [679.820007 [671.869995 [688.719971 [680.76001 [679.700012 [677.919983 [678.900024 [659.580017 [644.650024 [652.809998 [656.950012 [685.700012 [685.700012 [668.539978 [653.380005 [650.599976 [644.219971	
[644.219971 [646.219971 [660.5] [655.289978 [649.26001] [643.380005] [657.619995] [644.780029] [646.97998] [677.349976] [687.200012] [709.669983] [709.73999] [710.919983] [714.630005] [699.099976] [713.76001] [709.98999	
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[420.279998] [424.679993] [406.019989] [410.829987] [388.040009] [400.51001] [423.899994] [420.980011] [438.089996] [421.26001] [410.359985] [417.130005] [411.76001] [408.5] [408.089996] [441.609985]	
[486.640015 [499.269989] [489.609985] [521.849976] [555.380005] [574.] [585.76001] [567.599976] [584.76001] [568.820007] [593.380005] [599.039978] [641.76001] [649.880005] [604.47998] [607.070007]	
[639.830017 [633.25] [622.77002] [655.900024] [695.] [649.859985] [640.340027] [645.97998] [661.77002] [663.690002] [665.98999] [694.780029] [705.669983] [729.77002] [735.109985] [755.97998] [816.039978] [880.02002]	
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<pre>y=np.array #splitting x_train , x tree=Decisi lr=LinearRe x_future=df x_future=x_</pre>	<pre>put-69-7f05d2eedbf2>:1: FutureWarning: In a future version of pandas all arguments of DataFrame.drop except for the argument 'labels' will be keyword-only v(df.drop(['Prediction'],1))[:-future_days] the data into 75% training set and 25% testing _test , y_train , y_test = train_test_split(X ,y , random_state = 0) onTreeRegressor().fit(x_train,y_train) gression().fit(x_train,y_train) drop(['Prediction'],1)[:-future_days] future.tail(future_days)</pre>
x_future=0 array([[717. [686. [665. [688. [673. [680. [706. [708. [711. [731. [731. [732. [732. [733.	<pre>put-72-6675df72f1ab>:1: FutureWarning: In a future version of pandas all arguments of DataFrame.drop except for the argument 'labels' will be keyword-only lf.drop(['Prediction'],1)[:-future_days] 169983], 710022], 98999], 469971], 26001], 299988], 48999], 200012], 159973], 919983], 909973], 919983], 909973], 919983], 909973], 919983], 9090027], 390015], 570007], 919983],</pre>
[753. [754. [736. [743. [744. [755. [756. [759. tree_predic print(tree_ print() lr_predicti print(lr_pr	<pre>869995], 859985], 27002],</pre>
705.669983 736.27002	707.820007 711.200012 701.159973 711.919983 730.999973 734.090027 732.390015 733.570007 752.919983 753.869995 736.27002 743. 744.48999 755.830017 756.98999
[734.090027 [732.390015 [733.570007 [752.919983 [753.869995 [754.859985 [736.27002 [743. [744.48999 [755.830017 [756.98999 [759.48999	
plt.figure(plt.title(' plt.xlabel(plt.ylabel(plt.plot(df plt.plot(va plt.legend(plt.show() c:\users\inv value is t ry using .l	<pre>ictions']=predictions figsize=(16,8)) Model') 'Days') 'Close price USD (\$)')</pre>
selfset_ (ypeError ipython-inp 10 plt. 11 plt. 13 plt. > 12 plt. 2915 @_co 2916 def -> 2917 2918 2919	item(key, value) Traceback (most recent call last) put-74-40b903f5f904> in <module> plot(df['Close']) plot(valid[['Close', 'Predictions']]) legend('Orig', 'Val', 'Pred')</module>
288 -> 289 290 291 TypeError : 1	if len(extra_args): raise TypeError('legend only accepts two non-keyword arguments') self.legend_ = mlegend.Legend(self, handles, labels, **kwargs) self.legendremove_method = selfremove_legend .egend only accepts two non-keyword arguments Model
600 - 500 - 1	
predictions valid=df[X. valid['Pred plt.figure(plt.title(' plt.xlabel(plt.ylabel(plt.plot(df plt.plot(va plt.legend(<pre>lictions']=predictions figsize=(16,8)) Model') 'Days') 'Close price USD (\$)')</pre>
sns.displot seaborn.axi	(Dataset["High"]) .sgrid.FacetGrid at 0xc62e760>
200 150 100 50 40 sns.pairplo	t (Dataset) .sgrid.PairGrid at 0x130a9b50>
150 - 125 - 100 - 50 - 25 - 150 - 125 -	
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50	100 150 50 100 150 50 100 150 50 100 150 50 100 150 50 Adj Close Volume 1e8