	<pre>import pandas as pd import matplotlib.pyplot as plt</pre>
In [2]:	<pre>import seaborn as sns  data=pd.read_excel(r'C:\Users\KIIT\Downloads\1729258-1613615-Stock_Price_data_set_(1) (3).xlsx')</pre>
In [3]: Out[3]:	Date         Open         High         Low         Close         Adj Close         Volume           0 2018-02-05         262.000000         267.899994         250.029999         254.259995         11896100           1 2018-02-06         247.699997         266.700012         245.00000         265.720001         265.720001         12595800           2 2018-02-07         266.579987         272.450012         264.329987         264.559998         8981500           3 2018-02-08         267.079987         267.619995         250.00000         250.100006         250.100006         9306700           4 2018-02-09         253.850006         255.800003         236.110001         249.470001         16906900
In [4]:	<pre>data.info()  <class 'pandas.core.frame.dataframe'=""> RangeIndex: 1009 entries, 0 to 1008 Data columns (total 7 columns): # Column Non-Null Count Dtype </class></pre>
	5 Adj Close 1009 non-null float64 6 Volume 1009 non-null int64 dtypes: datetime64[ns](1), float64(5), int64(1) memory usage: 55.3 KB
In [5]: Out[5]:	data.shape (1009, 7)
<pre>In [6]: Out[6]:</pre>	<pre>Date     1009 Open     1009 High     1009 Low     1009 Close     1009 Adj Close     1009 Volume     1009 dtype: int64</pre>
In [7]: Out[7]:	data.dtypes  Date datetime64[ns] Open float64 High float64 Low float64 Close float64 Adj Close float64 Volume int64
In [8]:	<pre>dtype: object  data['Date'].dt.year.unique()  armon/(Fanta 2010 2010 2011 2011 dtype-int(4))</pre>
Out[8]: In [9]:	array([2018, 2019, 2020, 2021, 2022], dtype=int64)  data['Date'].dt.month.unique()
Out[9]: In [10]:	<pre>array([ 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 1], dtype=int64)  data['Day']=data['Date'].dt.day</pre>
In [11]:	<pre>data['Month']=data['Date'].dt.month data['Year']=data['Date'].dt.month  data.drop('Date', axis=1, inplace=True)</pre>
In [12]:	data.head()
Out[12]: In [13]:	Open         High         Low         Close         Adj Close         Volume         Day         Month         Year           0         262.000000         267.899994         250.029999         254.259995         254.259995         11896100         5         2         2           1         247.699997         266.700012         245.00000         265.720001         265.720001         12595800         6         2         2           2         266.579987         272.450012         264.329987         264.559998         8981500         7         2         2           3         267.079987         267.619995         250.00000         250.10006         250.100006         9306700         8         2         2           4         253.850006         255.800003         236.110001         249.470001         16906900         9         2         2           data.drop('Adj Close', axis=1, inplace=True)
In [16]:	<pre>print (len(data)) 1009</pre>
In [17]: Out[17]:	<pre>data['Open'].plot(figsize=(16,6)) <axes:></axes:></pre>
	700 - 600 -
	500 -
	300 - 400 600 800 1000
In [20]:	<pre>X=data[['Open','High','Low','Volume']] y=data['Close']</pre>
In [21]:	<pre>from sklearn.model_selection import train_test_split X_train, X_test, y_train, y_test=train_test_split(X, y, random_state=0)</pre>
In [22]: Out[22]:	X_train.shape (756, 4)
<pre>In [23]: Out[23]:</pre>	X_test.shape (253, 4)
In [24]:	<pre>from sklearn.linear_model import LinearRegression from sklearn.metrics import confusion_matrix,accuracy_score regressor=LinearRegression()</pre>
In [25]: Out[25]:	regressor.fit(X_train,y_train)  v LinearRegression
	LinearRegression()
In [26]:	print(regressor.coef_) [-5.98637670e-01 7.42752459e-01 8.57948723e-01 9.68159262e-08]
In [27]:	
Tn [00].	print(regressor.intercept_) -0.7077595564785497  prodicted=regressor.prodict(X test)
In [28]: In [29]:	-0.7077595564785497  predicted=regressor.predict(X_test)  print(X_test)
	-0.7077595564785497  predicted=regressor.predict(X_test)
In [29]:	-0.7077595564785497  predicted=regressor.predict(X_test)  print(X_test)
In [29]:  In [30]:  Out[30]:  In [31]:  In [32]:	-9.707759564785497  predicted=regressor.predict(X_test)  print(X_test)
In [29]: In [30]: Out[30]: In [31]:	-8.7077595564785497  predicted=regressor.predict(X_test)  print(X_test)  881
In [29]:  In [30]:  Out[30]:  In [31]:  In [32]:	-0.7077595564785497  predicted=regressor.predict(X_test)  print(X_test)  Dopen High Low Volume  Dopen S59,750000 559,25000 375,00000 559,25000 559
<pre>In [29]:  In [30]: Out[30]: In [31]: In [32]: In [33]:</pre>	-0.7077595561785497 predicted=regressor_predict(X_test)  print(X_test)  -0.
<pre>In [29]: In [30]: Out[30]: In [31]: In [32]: In [33]:</pre> In [34]: Out[34]:	-0.7077595564785497 productod=regressor.predict(X_test)  print(X_test)
<pre>In [29]: In [30]: Out[30]: In [31]: In [32]: In [33]: In [36]: Out[36]:</pre>	### Predicted regressor and ict (X_Lest)  print (X_Lest)  ### Prin
<pre>In [29]: In [30]: Out[30]: In [31]: In [32]: In [33]: In [36]:</pre>	### Predicted regressor and ict (X_Lest)  print (X_Lest)  ### Prin
In [29]:  In [30]:  Out[30]:  In [31]:  In [32]:  In [33]:  In [36]:  Out[36]:  In [50]:	### ### ##############################
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<pre>In [29]:  In [30]: Out[30]: In [31]: In [32]: In [33]:  In [36]: Out[34]:  In [50]:  In [50]:</pre>	predicted registers of product (C. test)    Production   Program   Prog
<pre>In [29]:  In [30]: Out[30]: In [31]: In [32]: In [33]:  In [36]: Out[36]: In [50]:  In [52]:  Out[52]: In [53]:</pre>	### PRODUCTION OF TREATMENT OF
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