In [3]:	<pre>import pandas as pd import numpy as np from matplotlib import pyplot as plt  df = pd.read_csv("Dataset.csv")</pre>
In [5]: Out[5]:	Id   MSSubClass   MSZoning   LotFrontage   LotArea   Street   Alley   LotShape   LandContour   Utilities     PoolArea   PoolQC   Fence   MiscFeature   MiscVal   MoSold   VrSold   SaleType   SaleCondition
In [6]:	
	Masura   M
Out[8]: In [9]: Out[9]:	
In [11]: In [12]: Out[12]:	<pre>threshold = len(df)*0.20 column = df.isna().sum() &gt; threshold columnToBeDropped = df.columns[column]  columnToBeDropped.shape (5,)</pre>
In [13]: Out[13]: In [14]: Out[14]:	df.drop(columnToBeDropped, axis= 1, inplace = True) df.shape  (1460, 75)  # To check how many null values exist in the dataframe  df.isna().sum()  MSSubclass 0 MSZoning 0 LotFrontage 259 LotArea 0 Street 0  MSOld 0 YrSold 0 SaleType 0 SaleType 0 SaleCondition 0 SalePrice 0 Length: 75, dtype: int64
In [15]: Out[15]: In [16]: Out[16]:	df['SalePrice'].describe()  count
In [17]: Out[17]: In [18]:	<pre>df.shape  (1460, 75)  for col in df.select_dtypes(include=['int64','float64']):     if df[col].isnull().sum() &gt; 0:         median_value = df[col].median()         df[col].fillna(median_value, inplace=True)</pre>
In [19]: Out[19]:	df.isnull().sum()  MSSubClass 0 MSZoning 0 LotFrontage 0 LotArea 0 Street 0  MOSold 0 YrSold 0 SaleType 0 SaleCondition 0 SalePrice 0 Length: 75, dtype: int64
<pre>In [20]: In [21]: Out[21]:</pre>	<pre>for col in df.select_dtypes(include=['object']):     if df[col].isnull().sum() &gt; 0:         mode_value = df[col].mode()[0]         df[col].fillna(mode_value, inplace=True)   df.isnull().sum()  MSSubClass</pre>
In [22]: Out[22]: In [23]:	<pre>df.dtypes.value_counts()  object    38 int64    34 float64    3 dtype: int64</pre>
In [23]: Out[23]:	MSSubClass         MSZoning         LotFrontage         LotArea         Street         LotShape         LandContour         Utilities         LotConfig         LandSlope          EnclosedPorch         3SsnPorch         ScreenPorch         PoolArea         MiscVal         MoSold         YrSold         Sald           0         60         RL         65.0         8450         Pave         Reg         Lvl         AllPub         Inside         Gtl          0         0         0         0         0         0         0         2         2008           1         20         RL         80.0         9600         Pave         Reg         Lvl         AllPub         FR2         Gtl          0         0         0         0         0         5         2007
In [24]: In [25]:	<pre>from sklearn.preprocessing import LabelEncoder  label_encoder = LabelEncoder() for col in df.select_dtypes(include=['object']).columns:     df[col] = label_encoder.fit_transform(df[col])</pre>
In [26]: Out[26]:	df[col] = label_encoder.fit_transform(df[col])           df.head(5)           MSSubClass         MSZoning         LotFrontage         LotArea         Street         LotShape         LandContour         Utilities         LotConfig         LandSlope          EnclosedPorch         3SsnPorch         ScreenPorch         PoolArea         MiscVal         MoSold         YrSold         Sale           0         60         3         65.0         8450         1         3         3         0         4         0          0         0         0         0         0         0         2         2008           1         20         3         88.0         9600         1         3         3         0         2         0          0         0         0         0         0         5         2007           2         60         3         68.0         11250         1         0         3         0         4         0          0         0         0         0         0         9         2008           3         70         3         60.0         9550         1         0
In [27]: Out[27]:	5 rows × 75 columns  df.dtypes.value_counts()  int32