In [48]:	<pre>import pandas as pd import numpy as np import matplotlib.pyplot as plt import seaborn as sns from sklearn.linear_model import LinearRegression from sklearn.model_selection import train_test_split from sklearn.metrics import classification_report from sklearn.metrics import accuracy_score import warnings warnings.filterwarnings('ignore')</pre> h_price=pd.read_csv("test.csv")
In [50]:	h_price   head()     h_price   head()     h_price   head()     h_price   head()     h_price   head()     h_price   head()     h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   head()   h_price   h_price   head()   h_price   head()   h_price   head()   h_price   h_pr
In [51]:	### APPLIED TO THE PROCESSION
In [52]: Out[52]:	h_price.describe()    MSSubClass   LotFrontage   LotArea   OverallQual
In [53]:	<pre># How many null vallues in columns h_price.shape</pre> (1459, 80)
In [54]:	(1459, 80)  h_price.isnull().sum()
Out[54]:	Id 0 MSSubClass 0 MSZoning 4 LotFrontage 227 LotArea 0 MiscVal 0 MoSold 0 YrSold 0 SaleType 1
In [55]:	<pre>SaleCondition 0 Length: 80, dtype: int64  sns.heatmap(h_price.isnull(),yticklabels=False,cbar=False)  <axessubplot:></axessubplot:></pre>
In [56]: In [57]:	# fill allmissing values h_price['MsZoning']=h_price['MsZoning'].fillna(h_price['MsZoning'].mode()[0]) h_price['MsZoning']=h_price['SsmtQual'].fillna(h_price['SsmtQual'].mode()[0]) h_price['GarageType']=h_price['GarageType'].fillna(h_price['SarageType'].mode()[0])
In [59]:	<pre>h_price['GarageFinish']=h_price['GarageFinish'].fillna(h_price['GarageFinish'].mode()[0]) h_price['GarageQual']=h_price['GarageQual'].fillna(h_price['GarageQual'].mode()[0]) h_price['GarageCond']=h_price['GarageCond'].fillna(h_price['GarageCond'].mode()[0])</pre>
In [60]:	<pre>h_price['GarageFinish']=h_price['GarageFinish'].fillna(h_price['GarageFinish'].mode()[0]) h_price['GarageQual']=h_price['GarageQual'].fillna(h_price['GarageQual'].mode()[0]) h_price['GarageCond']=h_price['GarageCond'].fillna(h_price['GarageCond'].mode()[0])</pre>
In [61]:	<pre>h_price.drop(['PoolQC', 'Fence', 'MiscFeature'], axis=1, inplace=True)</pre>
	h_price.shape  (1459, 77)  # remove all null values in data set
In [63]:	<pre># remove all null values in data set h_price.drop(['Id'],axis=1,inplace=True)  h_price.isnull().sum()</pre>
Out[64]:	MSSubClass 0 MSZoning 0 LotFrontage 0 LotArea 0 Street 0 MiscVal 0 MoSold 0 YrSold 0 SaleType 1
In [73]:	SaleCondition 0 Length: 76, dtype: int64  h_price['MasVnrType']=h_price['MasVnrType'].fillna(h_price['MasVnrType'].mode()[0]) h_price['MasVnrArea']=h_price['MasVnrArea'].fillna(h_price['MasVnrArea'].mode()[0])
In [69]:	<pre>sns.heatmap(h_price.isnull(),yticklabels=False,cbar=False,cmap='coolwarm') </pre>
Out[69]:	MSSubClass – LotShape LotConfind
In [67]: In [74]:	<pre>h_price['BsmtExposure']=h_price['BsmtExposure'].fillna(h_price['BsmtExposure'].mode()[0]) sns.heatmap(h_price.isnull(),yticklabels=False,cbar=False,cmap='YlGnBu')</pre>
Out[74]: In [75]: In [76]:	<pre>cAxesSubplot:&gt;  ssgubjot:&gt;  ssgubjot:</pre>
<pre>In [77]: Out[77]:</pre>	h_price.shape (93, 76)
In [78]:	h_price.to_csv('formulatest.csv',index=False)
In [ ]: In [ ]:	