In [1]:	<pre>import pandas as pd import numpy as np import seaborn as sns import matplotlib.pyplot as plt %matplotlib inline import math t=pd.read_csv('titanic.csv') t.head(10)</pre>
Out[1]:	PassengerId Survived Polas Name Sex Age SibSp Parch Ticket Fare Cabin Embarked 0 1 0 3 Braund, Mr. Owen Harris male 2.0 1 0 A/5 21171 7.2500 NaN S 1 2 1 1 Cumings, Mrs. John Bradley (Florence Briggs Th female 3.0 1 0 PC 17599 71.2833 C85 C 2 3 1 3 Heikkinen, Miss. Laina female 26.0 0 0 STON/OZ. 3101222 7.9250 NaN S 3 4 1 1 Futrelle, Mrs. Jacques Heath (Lily May Peel) female 35.0 1 0 11.3803 5.1000 C123 S 4 5 0 3 Allen, Mr. William Henry male NaN 0 0 330877 8.4583 NaN Q 5 6 0 1 McCarthy, Mr. Timothy J male </td
In [2]:	<pre>print("# of passengers in original data:"+str(len(t.index))) # of passengers in original data:891 Analyzing Data</pre>
In [3]:	<pre>sns.countplot(x='Survived',data=t) plt.show()</pre>
	400 - 200 - 100 - 1 Survived
In [4]:	plt.show() Sex male female 100 100 100 100 100 100 100 1
In [5]:	sns.countplot(x='Survived', hue='Pclass', data=t) plt.show() Pclass 1
	300 - 250 -
In [6]:	plt.show()
	125 - 100 -
In [7]:	t['Fare'].plot.hist(bins=20, figsize=(10,5)) plt.show()
	500 - 400 - 200 - 300 - 400 - 500
In [8]:	<pre>calass 'pandas.core.frame.DataFrame'> RangeIndex: 891 entries, 0 to 890 Data columns (total 12 columns): # Column Non-Null Count Dtype</pre>
In [10]:	600 500 400 200 100 0 1 2 3 4 5 8
Out[10]:	Passengerid Survived Polass Name Sex Age SibSp Parch Ticket Fare Cabin Embarked
<pre>In [11]: Out[11]: In [12]:</pre>	Survived 0 Pclass 0 Name 0 Sex 0 Age 177 SibSp 0 Parch 0 Ticket 0 Fare 0 Cabin 687 Embarked 2 dtype: int64
	sns.heatmap(t.isnull(),cmap='viridis') plt.show() -0.8 -0.6 -0.6 -0.4 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.2 -0.3 -0.4 -0.2 -0.2 -0.2 -0.3 -0.4 -0.2 -0.2 -0.3 -0.4 -0.2 -0.2 -0.3 -0.4 -0.2 -0.2 -0.3 -0.4 -0.2 -0.4 -0.2 -0.5 -0.5 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.7 -0.8 -0.6 -0.6 -0.7 -0.8 -0.6 -0.6 -0.6 -0.7 -0.8 -0.6 -0.6 -0.7 -0.8 -0.6 -0.8 -0.6 -0.6 -0.7 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.8 -0.6 -0.7 -0.8 -0.
In [13]: Out[13]:	<pre>pd.get_dummies(t['Sex'], drop_first=True) male 0 1 1 0</pre>
	2 0 3 0 4 1 886 1 887 0 888 0 889 1
In [14]:	<pre>891 rows × 1 columns a=pd.get_dummies(t["Embarked"],drop_first=True) a.head(5)</pre>
	Q S 0 0 1 1 0 0 2 0 1 3 0 1 4 0 1
In []:	