In [1]:
```
import pandas as pd
import numpy as np

df= pd.read_csv("C:\\Users\\Admin\\Downloads\\train-200907-141856 (1).csv")
```

In [2]:
```
df.head ()
```

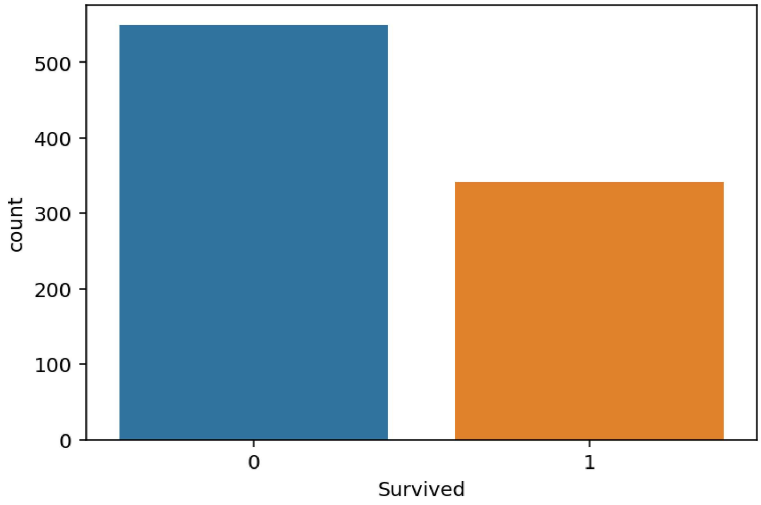
Out[2]:

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Em
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	NaN	
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th...	female	38.0	1	0	PC 17599	71.2833	C85	
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	NaN	
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C123	
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.0500	NaN	

In [3]:
```
import matplotlib.pyplot as plt
import seaborn as sns
%config InlineBackend.figure_format = 'retina'
```

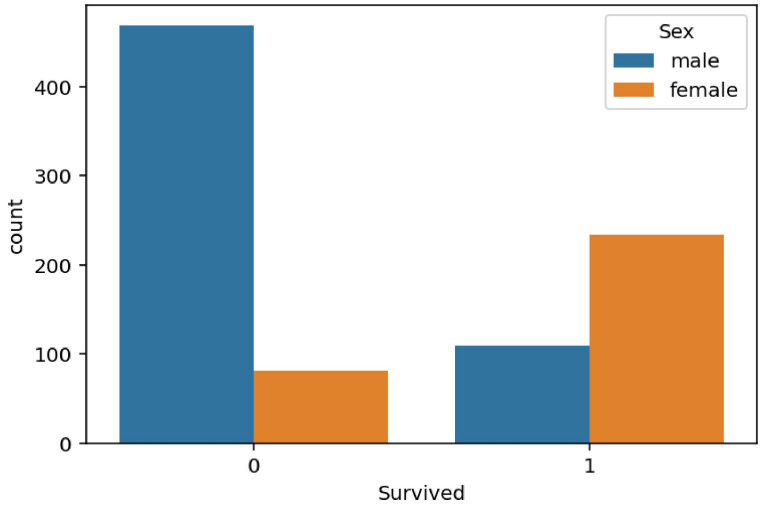
In [5]:
```
sns.countplot(x='Survived',data=df)
```

Out[5]:
```
<AxesSubplot:xlabel='Survived', ylabel='count'>
```



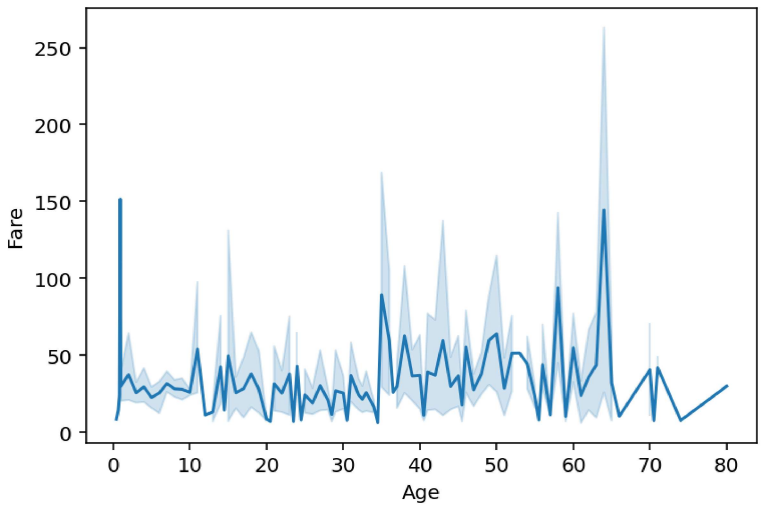
In [6]:
```
sns.countplot(x='Survived',data=df,hue='Sex')
```

Out[6]:
```
<AxesSubplot:xlabel='Survived', ylabel='count'>
```



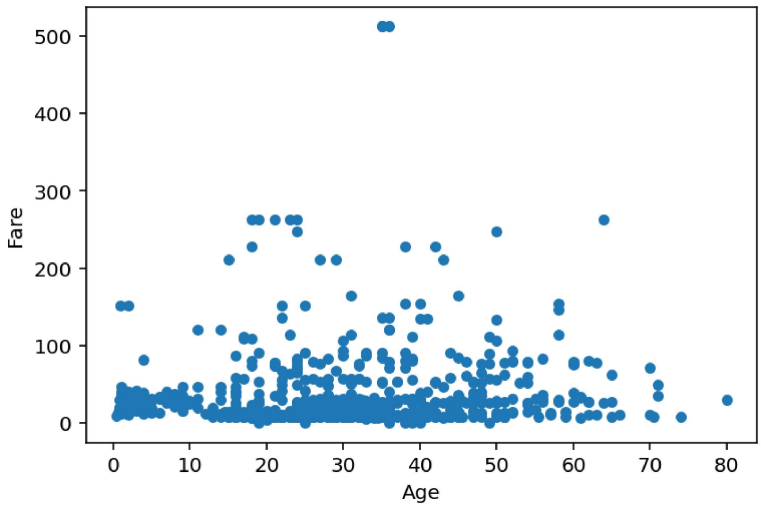
In [7]:
```
sns.lineplot(x='Age',y='Fare',data=df)
```

Out[7]:
```
<AxesSubplot:xlabel='Age', ylabel='Fare'>
```



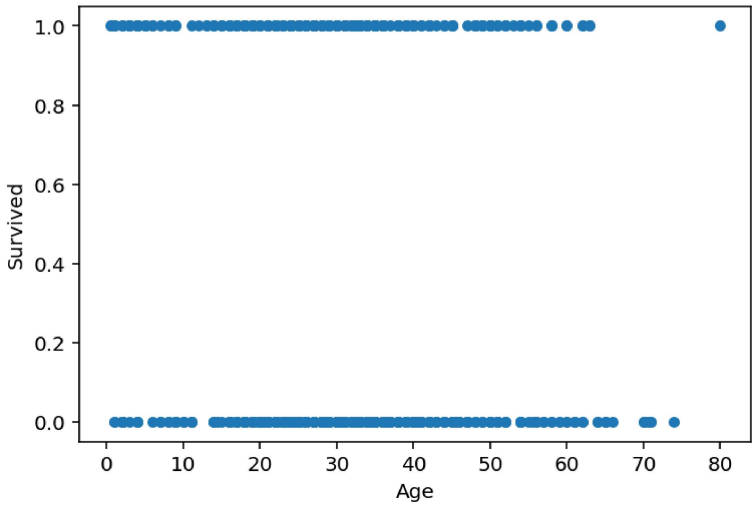
In [8]:
```
df.plot.scatter('Age','Fare')
```

Out[8]:
```
<AxesSubplot:xlabel='Age', ylabel='Fare'>
```



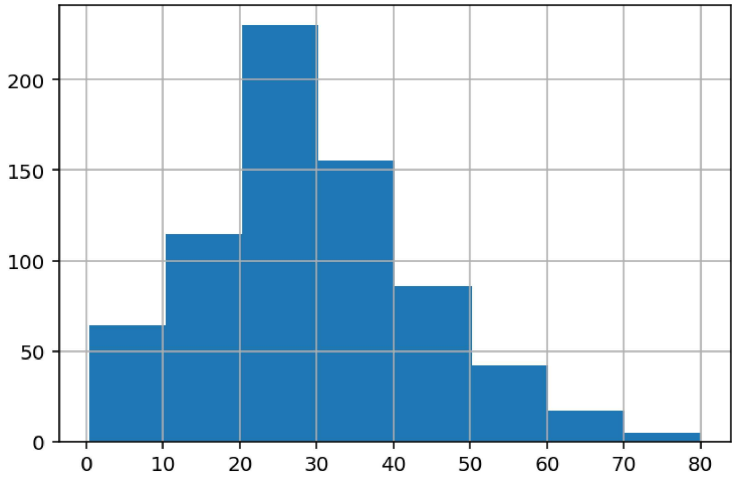
In [9]:
```
df.plot.scatter('Age','Survived')
```

Out[9]:
```
<AxesSubplot:xlabel='Age', ylabel='Survived'>
```



In [10]:
```
df['Age'].hist(bins=8)
```

Out[10]:
```
<AxesSubplot:>
```



In [11]:

```
import matplotlib.pyplot as plt
sizes= df['Survived'].value_counts()
fig1,ax1 = plt.subplots()
ax1.pie(sizes,labels=['Not Survived',
'Survived'],autopct='%1.1f%%',shadow=True)
plt.show()
```