In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt
titanic = pd.read_csv('titanic.csv')
```

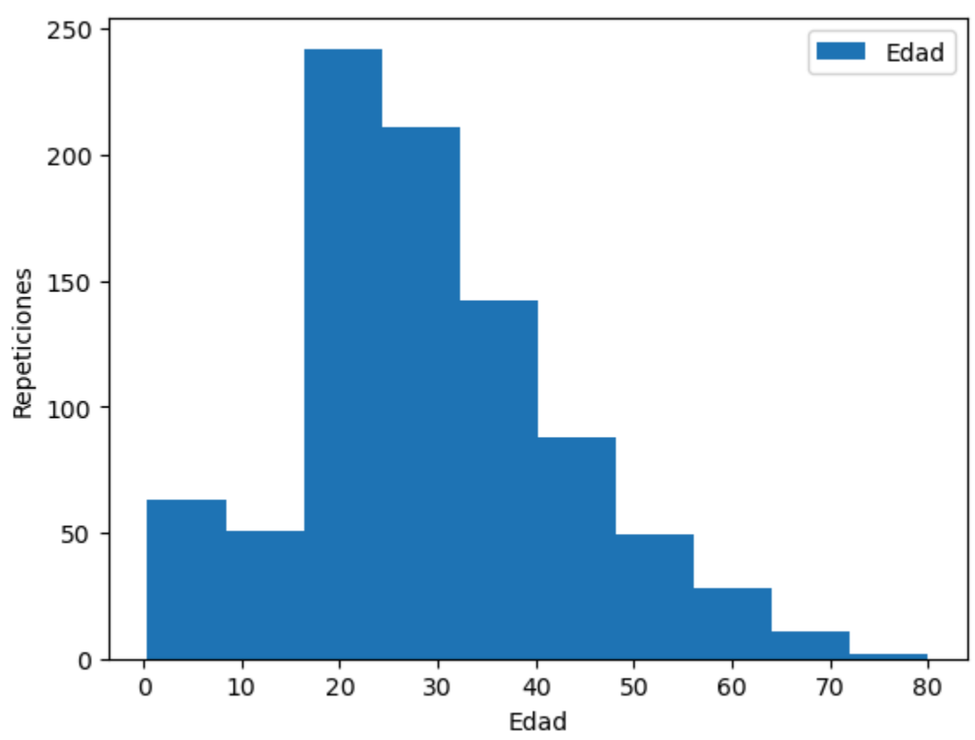
In [2]:
```
titanic
```

Out[2]:

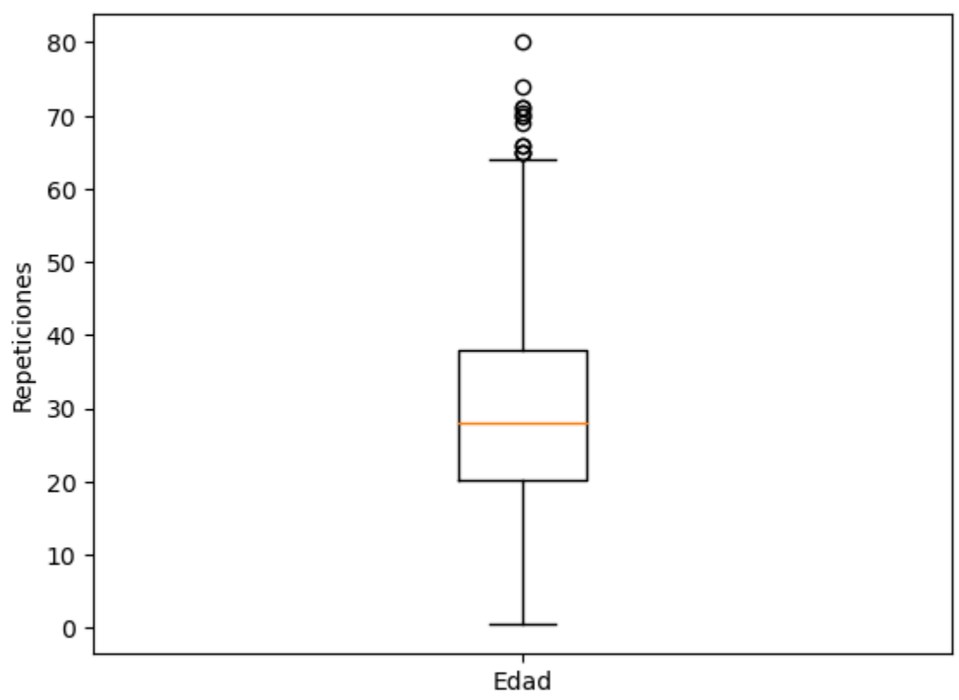
	Survived	Pclass	Name	Sex	Age	Siblings/Spouses Aboard	Parents/Children Aboard	Fare
0	0	3	Mr. Owen Harris Braund	male	22.0	1	0	7.2500
1	1	1	Mrs. John Bradley (Florence Briggs Thayer) Cum...	female	38.0	1	0	71.2833
2	1	3	Miss. Laina Heikkinen	female	26.0	0	0	7.9250
3	1	1	Mrs. Jacques Heath (Lily May Peel) Futrelle	female	35.0	1	0	53.1000
4	0	3	Mr. William Henry Allen	male	35.0	0	0	8.0500
...	...	...	...	...	...	...	...	...
882	0	2	Rev. Juozas Montvila	male	27.0	0	0	13.0000
883	1	1	Miss. Margaret Edith Graham	female	19.0	0	0	30.0000
884	0	3	Miss. Catherine Helen Johnston	female	7.0	1	2	23.4500
885	1	1	Mr. Karl Howell Behr	male	26.0	0	0	30.0000
886	0	3	Mr. Patrick Dooley	male	32.0	0	0	7.7500

887 rows × 8 columns

In [4]:
```
fig, ax = plt.subplots()
ax.hist(titanic['Age'], label = 'Edad')
ax.set_xlabel('Edad')
ax.set_ylabel('Repeticiones')
ax.legend()
plt.show()
#Se observa que la edad promedio de los pasajeros oscilaba entre los 20 y 40 años
```



In [10]:
```
fig, ax = plt.subplots()
ax.boxplot(titanic['Age'])
ax.set_xticklabels(['Edad'])
ax.set_ylabel('Repeticiones')
plt.show()
#Como se mencionaba anteriormente, con este grafico tenemos una mejor visualizacion del promedio de edad de los pasajeros, quedando el promedio por debajo de los 30 años
```



In [20]:
```
count = titanic['Pclass'].value_counts()
count
```

Out[20]:
```
3    487
1    216
2    184
Name: Pclass, dtype: int64
```

In [21]:
```
df = pd.DataFrame(count)
df
```

Out[21]:

	Pclass
3	487
1	216
2	184

In [23]:
```
fig, ax = plt.subplots()
ax.bar(df.index, df['Pclass'])
#hay una mayor concentracion de pasajeros en la clase 3
```

Out[23]:
```
<BarContainer object of 3 artists>
```

In [ ]:
```
```