In [3]:
```
import pandas as pd
```

In [4]:
```
import seaborn as sns
```

In [5]:
```
df = sns.load_dataset('titanic')
```

In [6]:
```
df
```

Out[6]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_ma
0	0	3	male	22.0	1	0	7.2500	S	Third	man	Tr
1	1	1	female	38.0	1	0	71.2833	C	First	woman	Fal
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	Fal
3	1	1	female	35.0	1	0	53.1000	S	First	woman	Fal
4	0	3	male	35.0	0	0	8.0500	S	Third	man	Tr
...	...	...	...	...	...	...	...	...	...	...	
886	0	2	male	27.0	0	0	13.0000	S	Second	man	Tr
887	1	1	female	19.0	0	0	30.0000	S	First	woman	Fal
888	0	3	female	NaN	1	2	23.4500	S	Third	woman	Fal
889	1	1	male	26.0	0	0	30.0000	C	First	man	Tr
890	0	3	male	32.0	0	0	7.7500	Q	Third	man	Tr

891 rows × 15 columns

In [7]:
```
df.head()
```

Out[7]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True

In [8]:
```
df.tail()
```

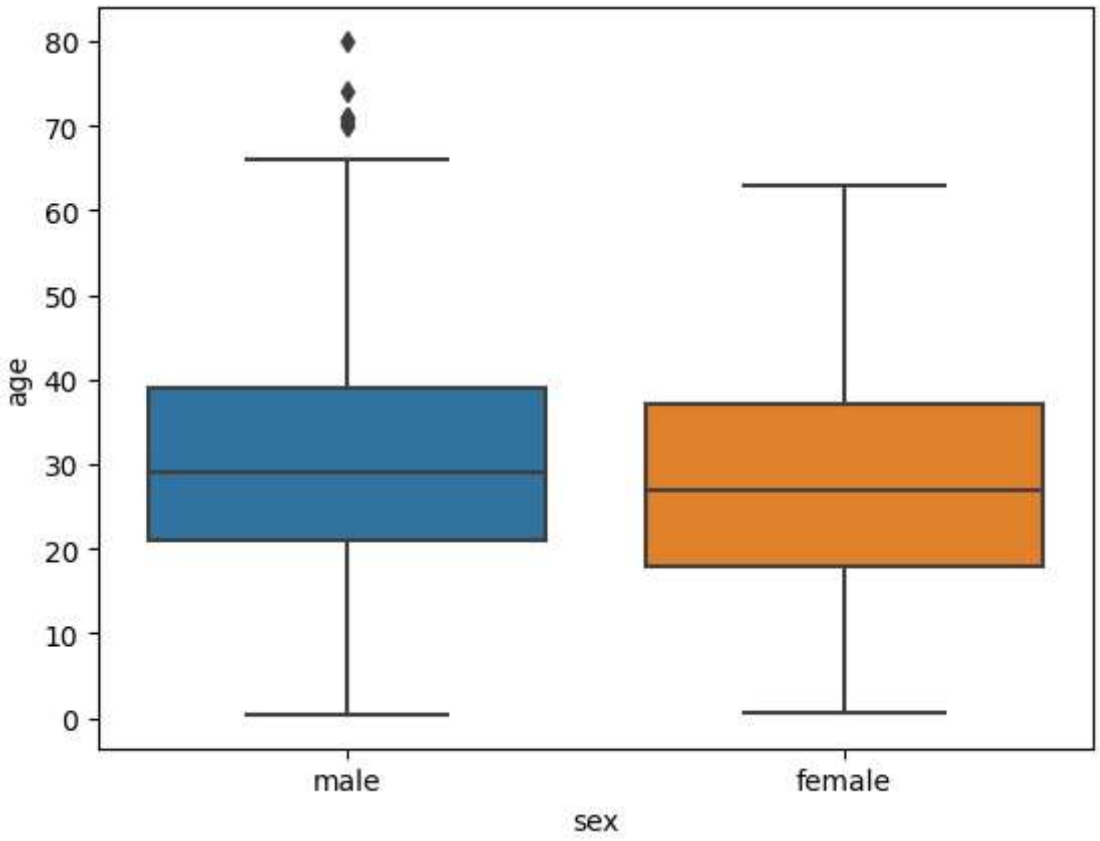
Out[8]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male
886	0	2	male	27.0	0	0	13.00	S	Second	man	True
887	1	1	female	19.0	0	0	30.00	S	First	woman	False
888	0	3	female	NaN	1	2	23.45	S	Third	woman	False
889	1	1	male	26.0	0	0	30.00	C	First	man	True
890	0	3	male	32.0	0	0	7.75	Q	Third	man	True

Graph plot using Seaborn

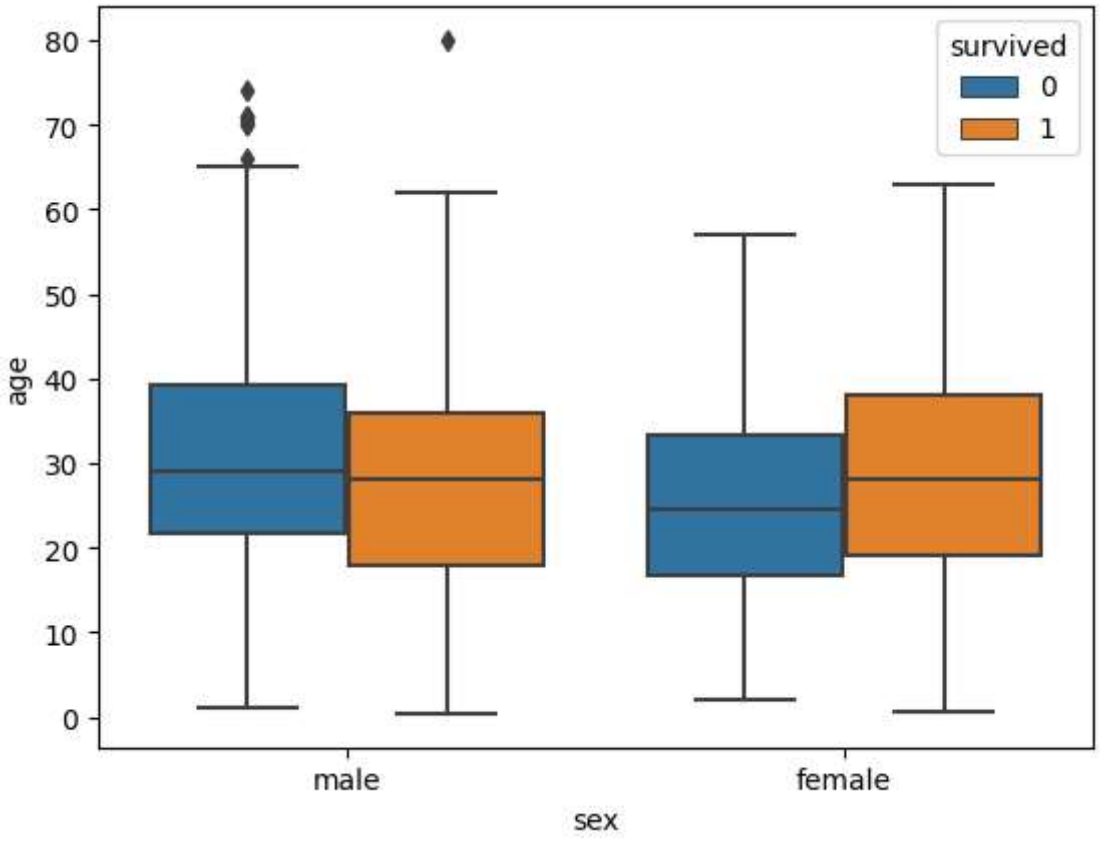
In [9]:
```
sns.boxplot(data=df,x='sex',y='age')
```

Out[9]:
```
<Axes: xlabel='sex', ylabel='age'>
```



In [10]:
```
sns.boxplot(data=df,x='sex',y='age',hue='survived')
```

Out[10]: <Axes: xlabel='sex', ylabel='age'>



Graph Plot Using Matplotlib

In [11]:
```
import matplotlib.pyplot as plt
```

In [12]:
```
df=pd.read_csv('train_and_test2.csv')
```

In [13]:
```
df
```

Out[13]:

	Passengerid	Age	Fare	Sex	sibsp	zero	zero.1	zero.2	zero.3	zero.4	...	zero.12
0	1	22.0	7.2500	0	1	0	0	0	0	0	...	0
1	2	38.0	71.2833	1	1	0	0	0	0	0	...	0
2	3	26.0	7.9250	1	0	0	0	0	0	0	...	0
3	4	35.0	53.1000	1	1	0	0	0	0	0	...	0
4	5	35.0	8.0500	0	0	0	0	0	0	0	...	0
...	...	...	...	...	...	...	...	...	...	...	...	...
1304	1305	28.0	8.0500	0	0	0	0	0	0	0	...	0
1305	1306	39.0	108.9000	1	0	0	0	0	0	0	...	0
1306	1307	38.5	7.2500	0	0	0	0	0	0	0	...	0
1307	1308	28.0	8.0500	0	0	0	0	0	0	0	...	0
1308	1309	28.0	22.3583	0	1	0	0	0	0	0	...	0

1309 rows × 28 columns

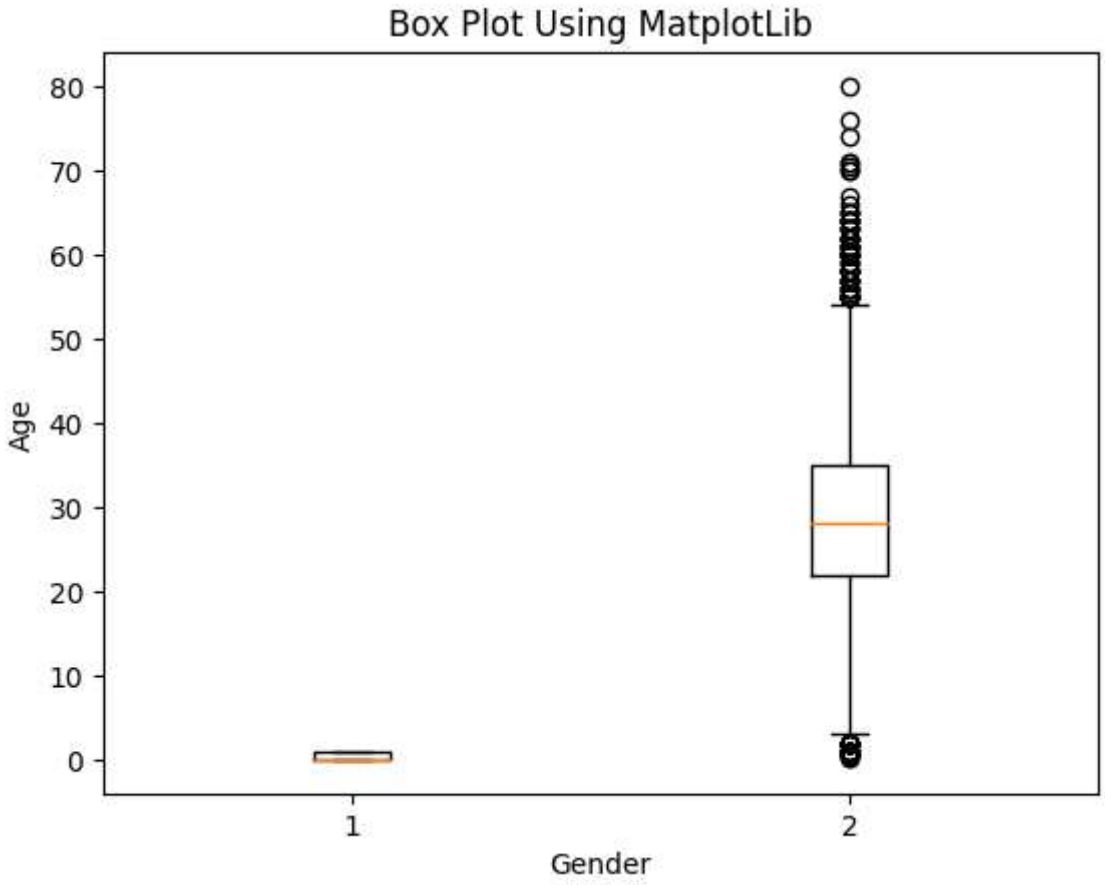
In [14]:
```
X=df['Sex']
```

In [15]:
```
Y=df['Age']
```

In [18]:
```
data=[X,Y]
type(data)
```

Out[18]:
```
list
```

In [17]:
```
plt.boxplot(data)
plt.title('Box Plot Using MatplotLib')
plt.xlabel("Gender")
plt.ylabel("Age")
plt.show()
```



In [ ]:
```

```