In [2]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

In [3]:
```
df = sns.load_dataset("titanic")
df
```

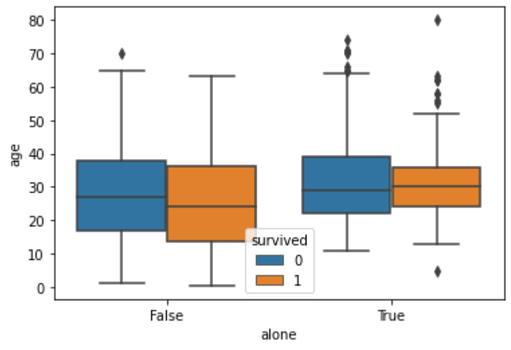
Out[3]:

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	embark_town	alive	alone
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	Southampton	no	False
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	Cherbourg	yes	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	Southampton	yes	True
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	Southampton	yes	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	Southampton	no	True
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
886	0	2	male	27.0	0	0	13.0000	S	Second	man	True	NaN	Southampton	no	True
887	1	1	female	19.0	0	0	30.0000	S	First	woman	False	B	Southampton	yes	True
888	0	3	female	NaN	1	2	23.4500	S	Third	woman	False	NaN	Southampton	no	False
889	1	1	male	26.0	0	0	30.0000	C	First	man	True	C	Cherbourg	yes	True
890	0	3	male	32.0	0	0	7.7500	Q	Third	man	True	NaN	Queenstown	no	True

891 rows × 15 columns

In [5]:
```
sns.boxplot(data=df,y="age",x="alone",hue="survived")
```

Out[5]:
```
<AxesSubplot:xlabel='alone', ylabel='age'>
```



In [6]:
```
df.groupby(["alone","survived"])["age"].median()
```

Out[6]:
```
alone  survived
False  0           27.0
       1           24.0
True   0           29.0
       1           30.0
Name: age, dtype: float64
```

In [ ]:
```
df.loc[(df["survived"]==0) & (df["alone"]==True)]["age"].median()=29,
df.loc[(df["survived"]==1) & (df["alone"]==True )]["age"].median()=24
```

In [7]:
```
df.loc[(df["survived"]==1) & (df["alone"]==True )]["age"].median()
```

Out[7]:
```
30.0
```

In [ ]:

In [ ]:

In [ ]: