

In [1]:

```
import matplotlib.pyplot as plt
import seaborn as sns
plt.rcParams["figure.figsize"] = [8,6]
sns.set_style("darkgrid")

titanic_data = sns.load_dataset('titanic')
titanic_data.head()
```

Out[1]:

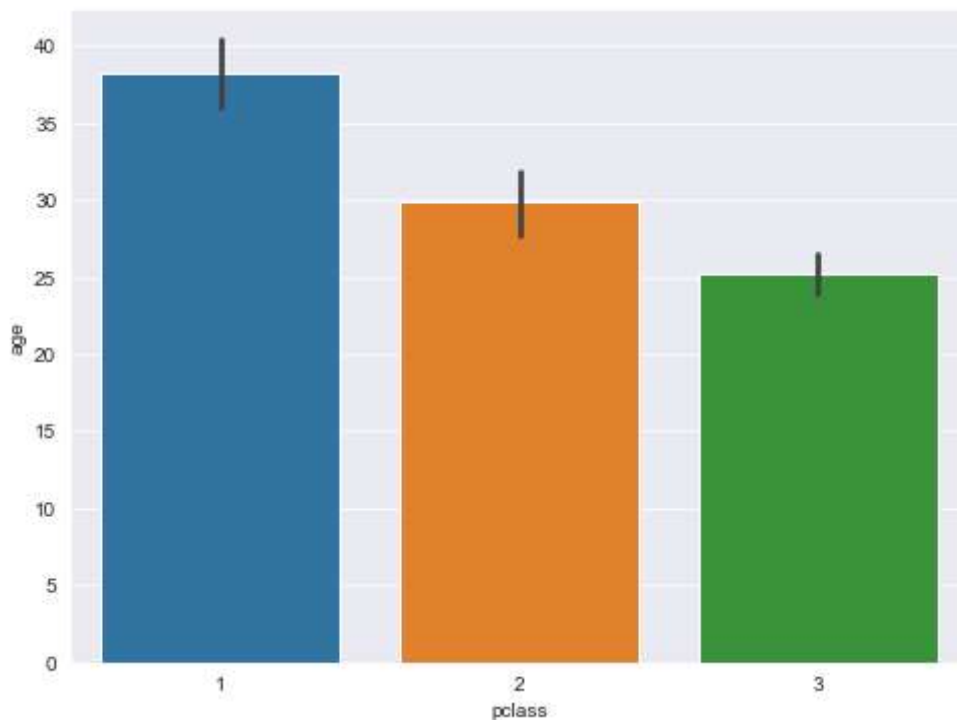
	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False
4	0	3	male	35.0	0	0	8.0500	S	Third	man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

In [2]:

```
sns.barplot(x='pclass', y='age', data=titanic_data)
```

Out[2]:

<matplotlib.axes._subplots.AxesSubplot at 0x25192e77d88>

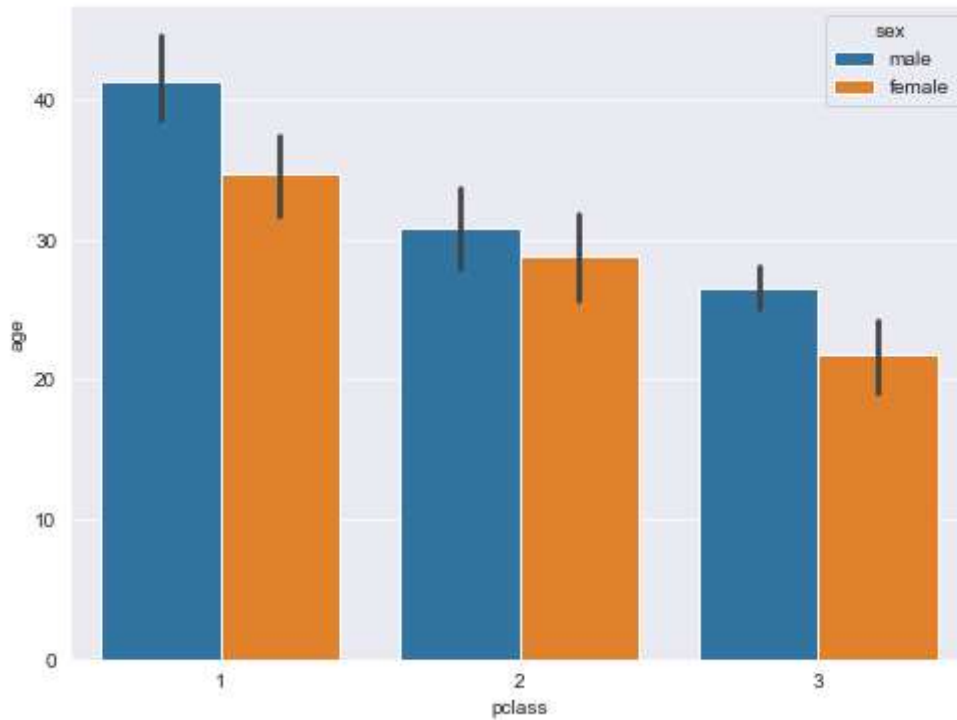


In [3]:

```
sns.barplot(x='pclass', y='age', hue='sex', data=titanic_data)
```

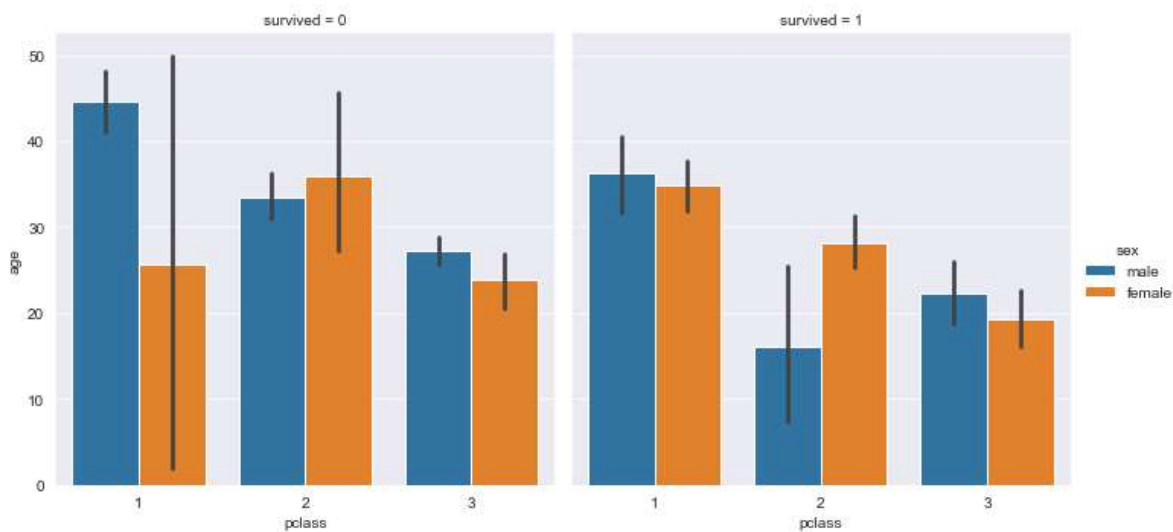
Out[3]:

<matplotlib.axes._subplots.AxesSubplot at 0x2519cd8e488>



In [4]:

```
sns.catplot(x="pclass", y="age", hue="sex", col="survived", data=titanic_data, kind="bar");
```

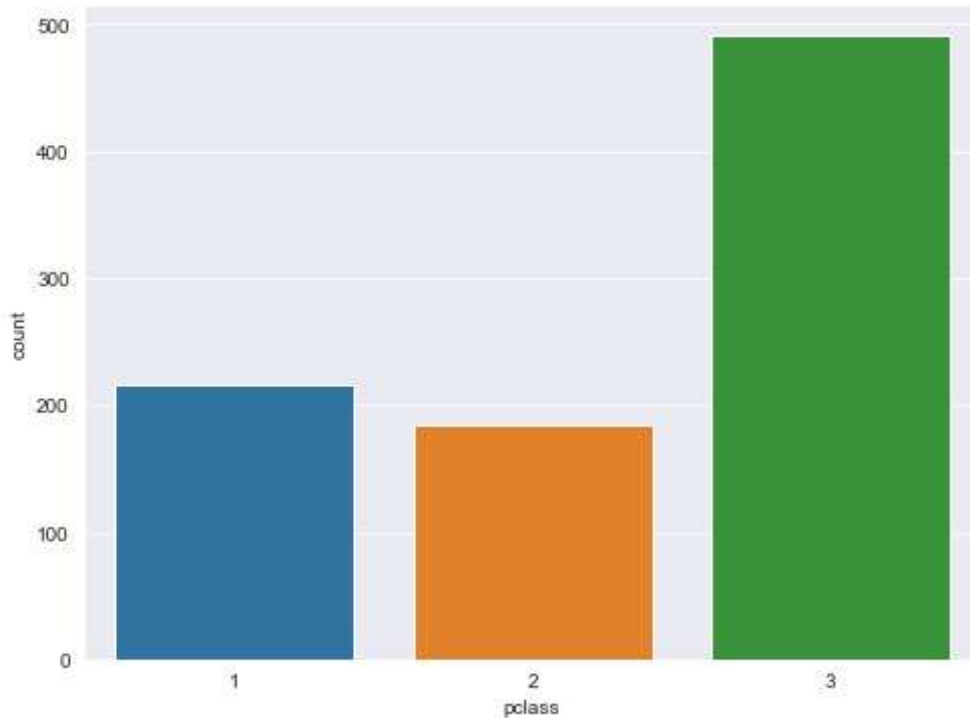


In [5]:

```
sns.countplot(x='pclass', data=titanic_data)
```

Out[5]:

<matplotlib.axes._subplots.AxesSubplot at 0x2519fefe1c8>



In [6]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x1eb8417f148>
```

File "<ipython-input-6-bcaf40362760>", line 1

```
<matplotlib.axes._subplots.AxesSubplot at 0x1eb8417f148>
```

^

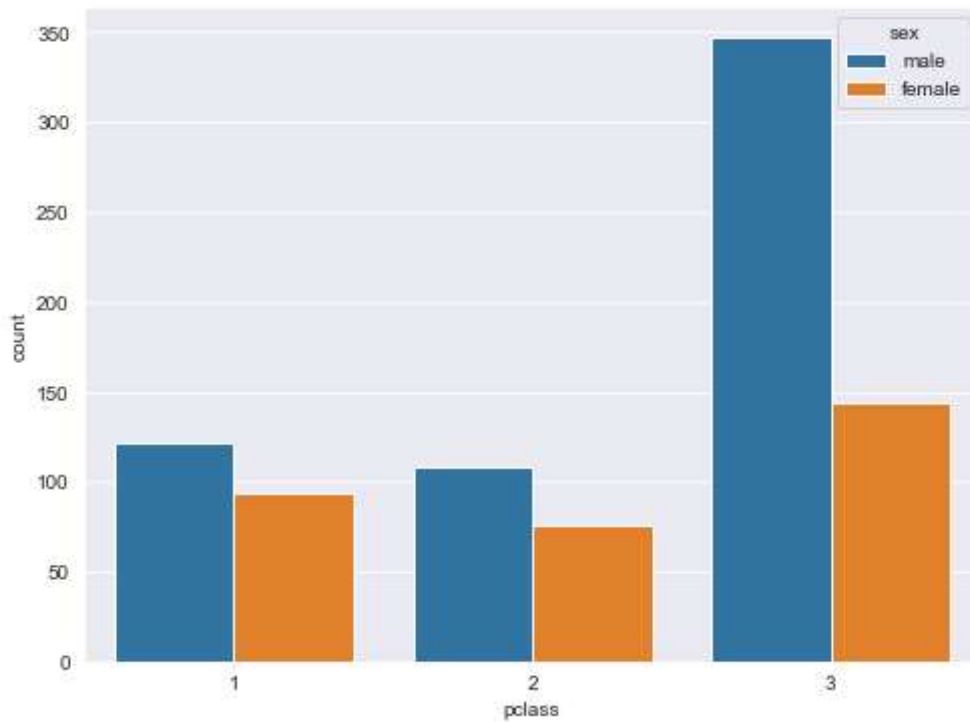
SyntaxError: invalid syntax

In [7]:

```
sns.countplot(x='pclass', hue='sex', data=titanic_data)
```

Out[7]:

<matplotlib.axes._subplots.AxesSubplot at 0x251a0047788>

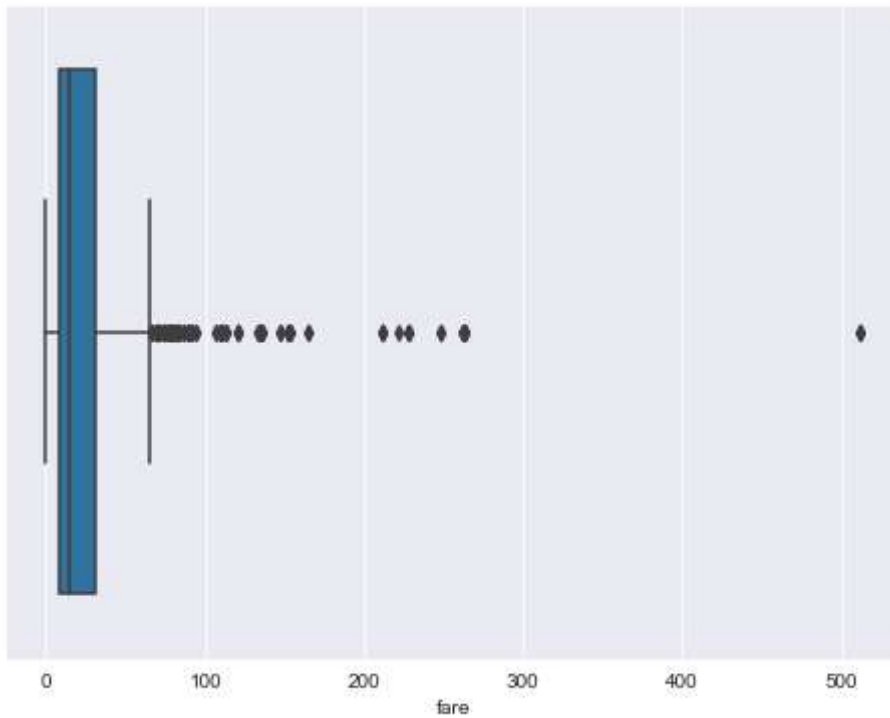


In [8]:

```
sns.boxplot(x=titanic_data["fare"])
```

Out[8]:

<matplotlib.axes._subplots.AxesSubplot at 0x251a0032688>

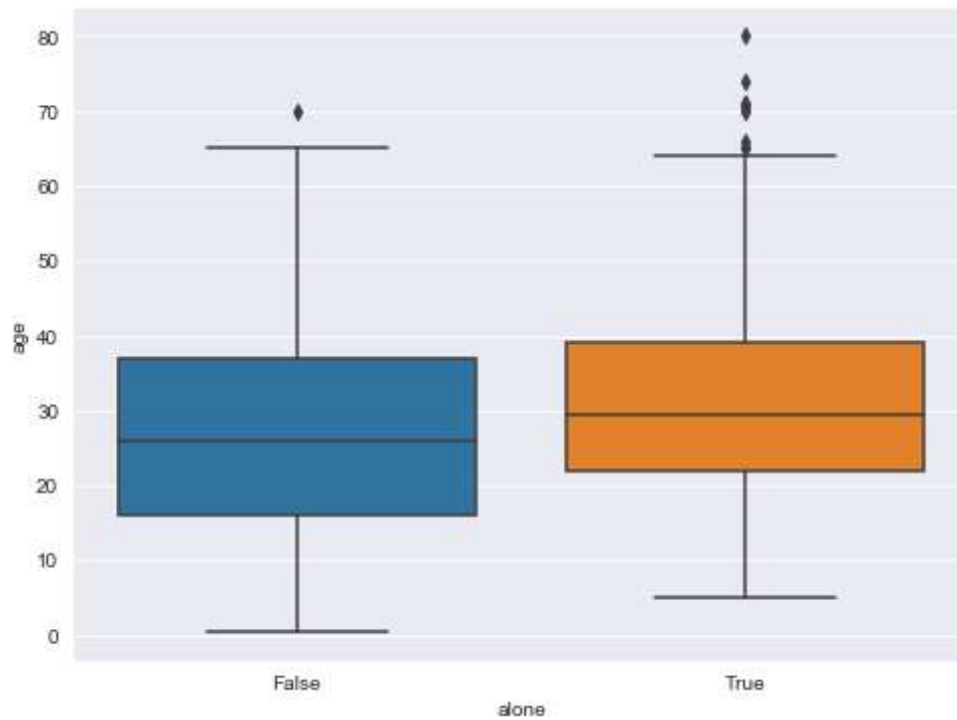


In [9]:

```
sns.boxplot(x='alone',y='age',data=titanic_data)
```

Out[9]:

<matplotlib.axes._subplots.AxesSubplot at 0x251a012f4c8>

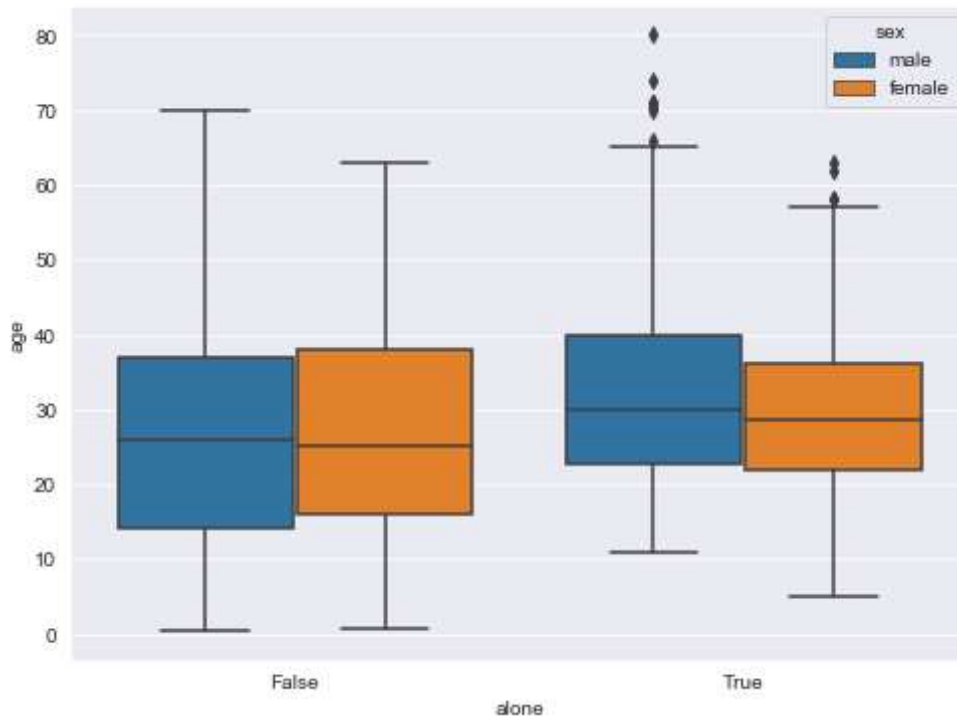


In [10]:

```
sns.boxplot(x='alone',y='age', hue='sex', data=titanic_data)
```

Out[10]:

<matplotlib.axes._subplots.AxesSubplot at 0x251a0329148>

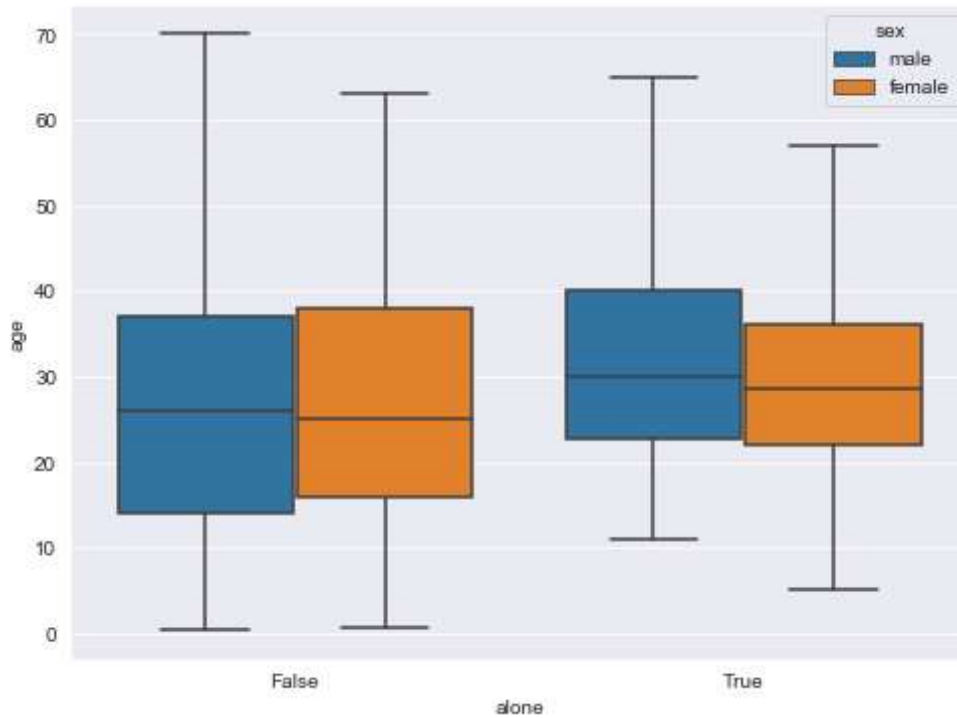


In [11]:

```
sns.boxplot(x='alone',y='age', hue='sex', data=titanic_data,showfliers=False)
```

Out[11]:

<matplotlib.axes._subplots.AxesSubplot at 0x2519ffc9dc8>



In [12]:

```
<matplotlib.axes._subplots.AxesSubplot at 0x1eb84309908>
```

File "<ipython-input-12-adebe8a2544e>", line 1

```
<matplotlib.axes._subplots.AxesSubplot at 0x1eb84309908>
```

^

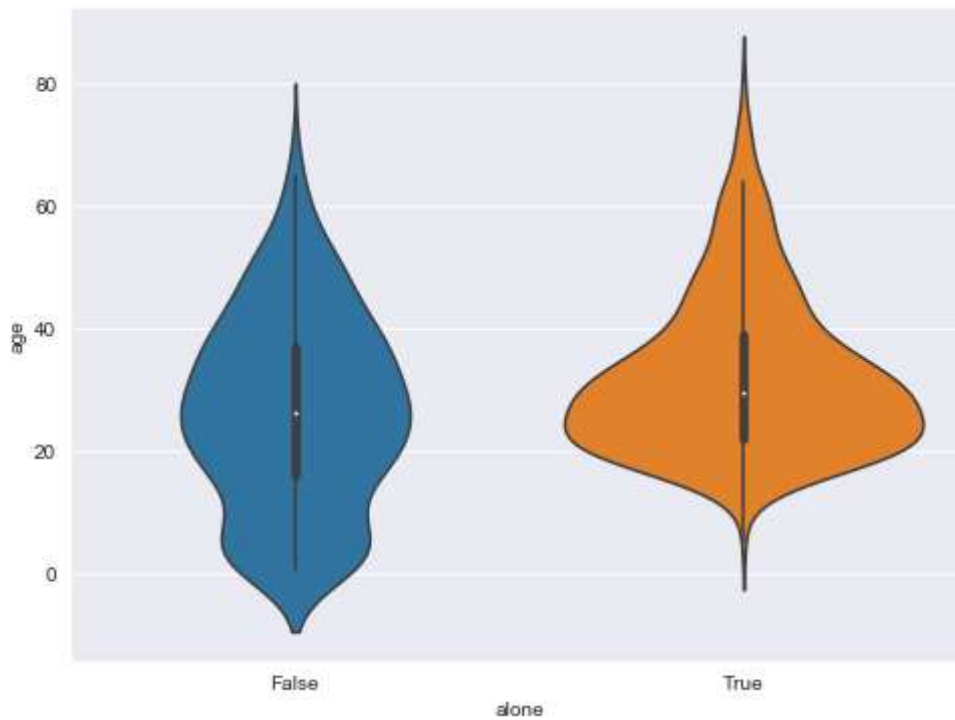
SyntaxError: invalid syntax

In [13]:

```
sns.violinplot(x='alone', y='age', data=titanic_data)
```

Out[13]:

<matplotlib.axes._subplots.AxesSubplot at 0x251a01a52c8>



In []: