

Name: Shubham Shigwan

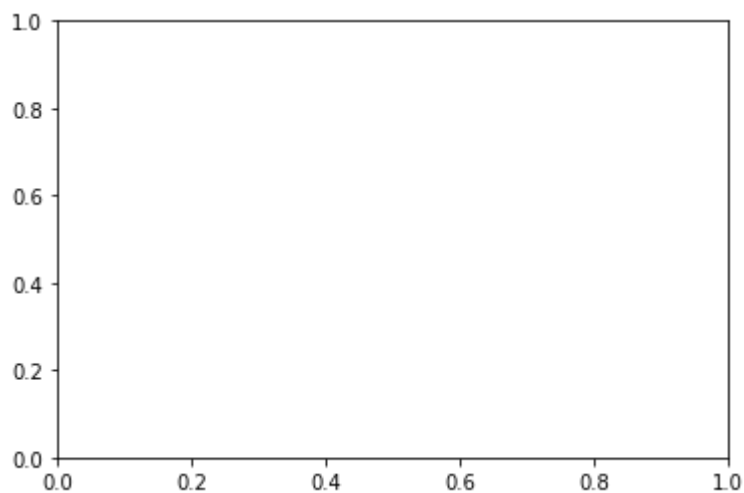
Email: shubhamshigwan2k@gmail.com

In [ ]:

```
import matplotlib.pyplot as plt
```

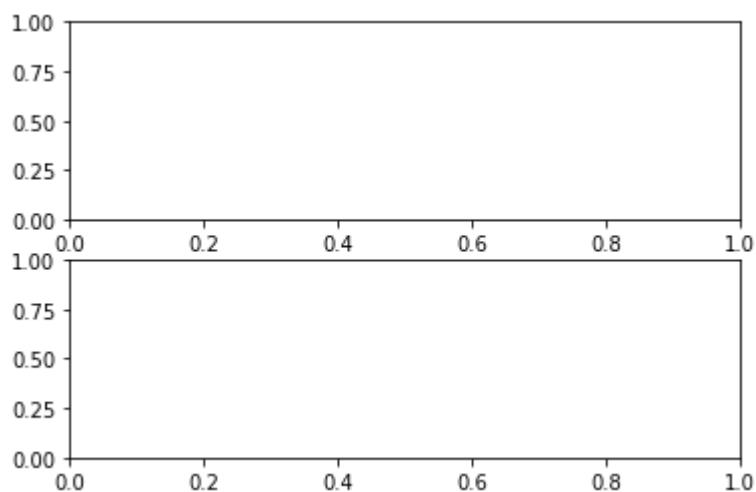
In [ ]:

```
fig,ax = plt.subplots()
```



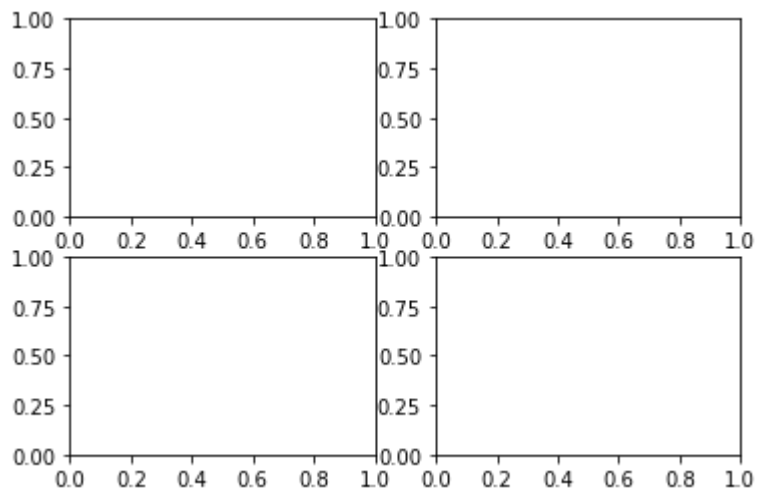
In [ ]:

```
fig,ax = plt.subplots(nrows=2)
```



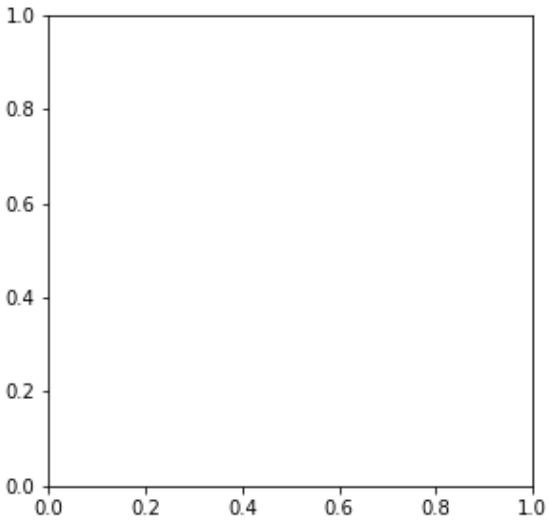
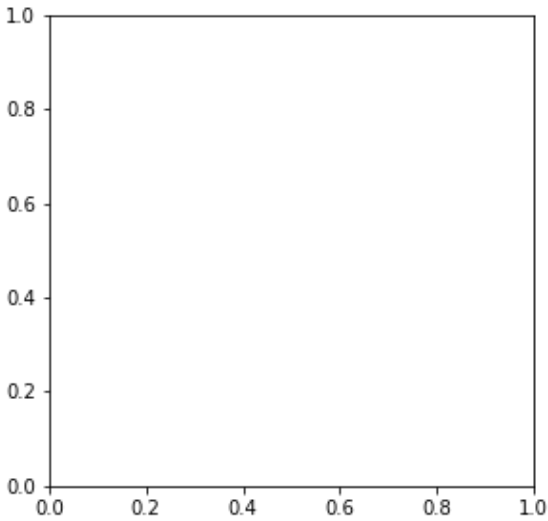
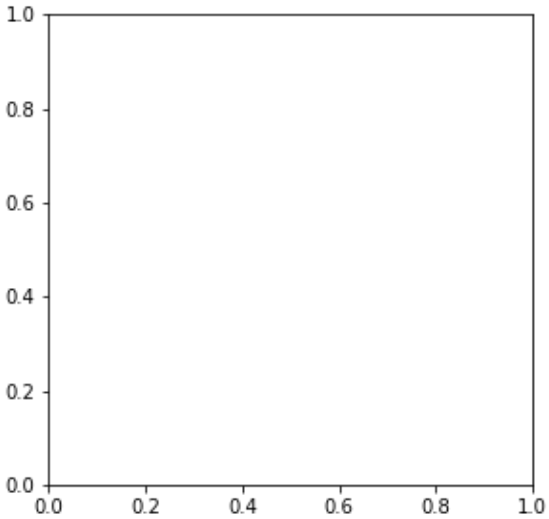
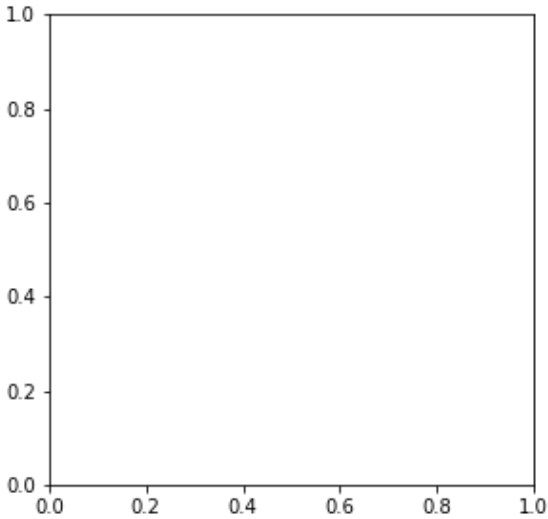
In [ ]:

```
fig,ax = plt.subplots(nrows=2,ncols=2)
```



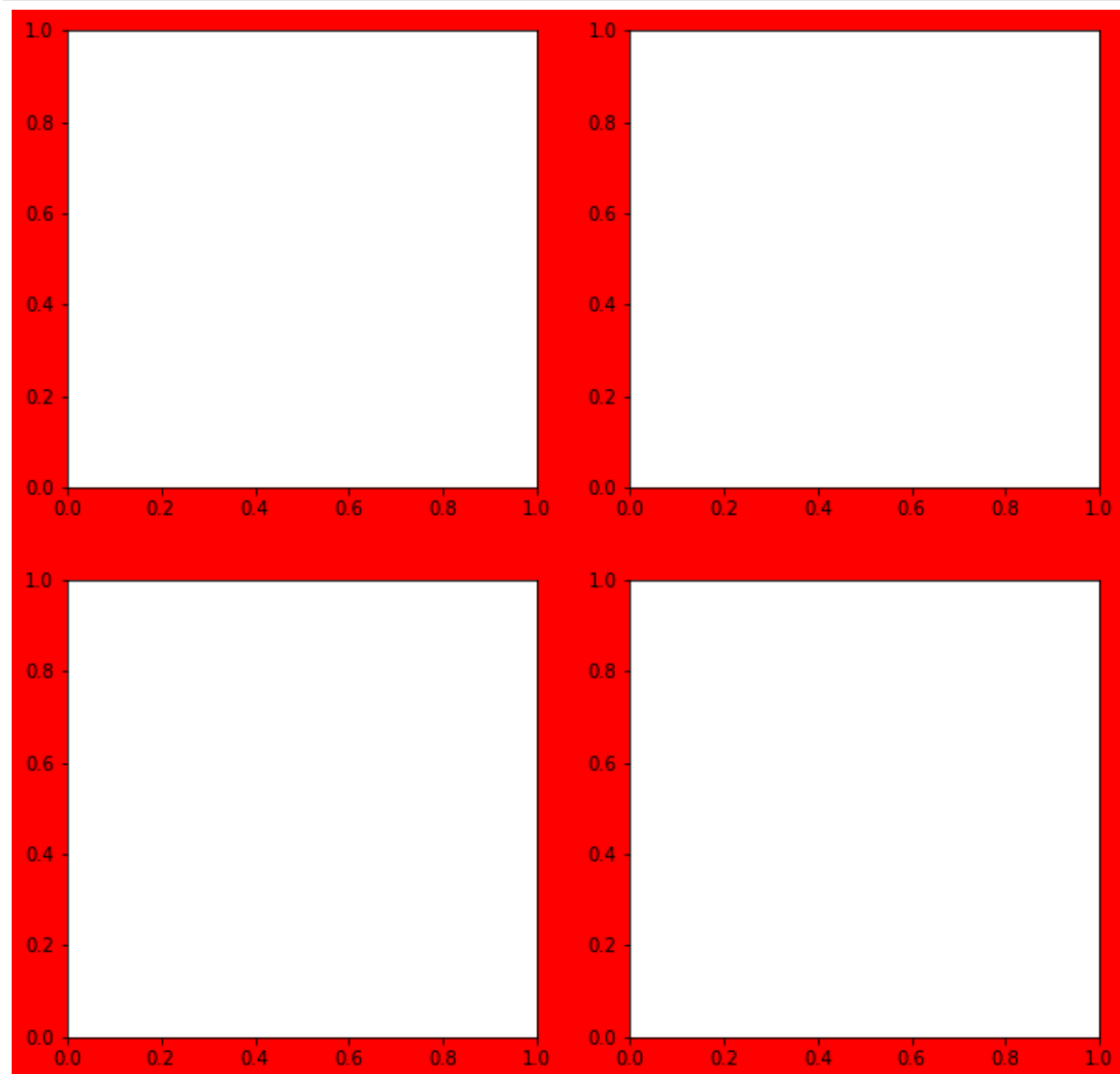
In [ ]:

```
fig,ax = plt.subplots(nrows=2,ncols=2,figsize=(10,10))
```



In [ ]:

```
fig,ax = plt.subplots(nrows=2,ncols=2,figsize=(10,10),facecolor=[1,0,0])
```

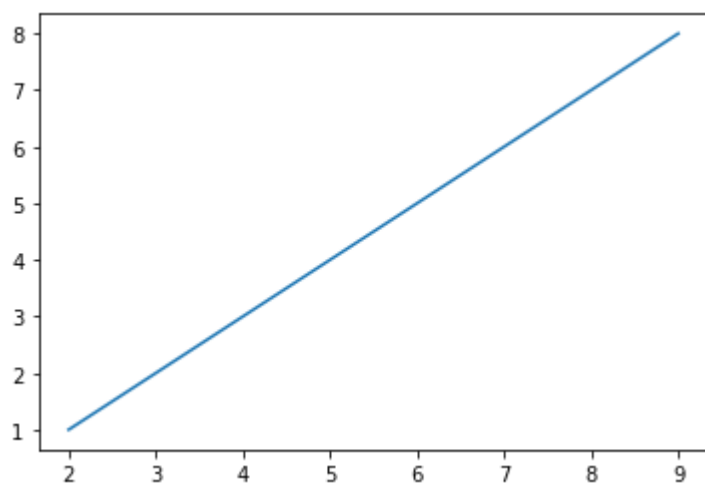


In [ ]:

```
x = [2,3,4,5,6,7,8,9]  
y = [1,2,3,4,5,6,7,8]
```

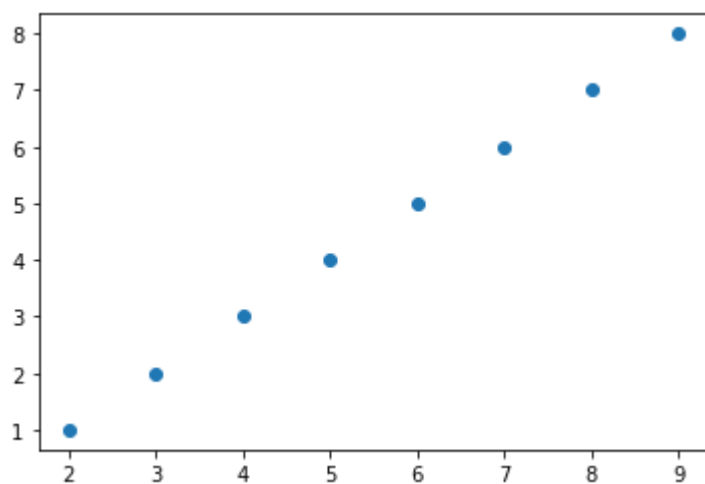
In [ ]:

```
fig,ax = plt.subplots()
ax.plot(x,y)
plt.show()
```



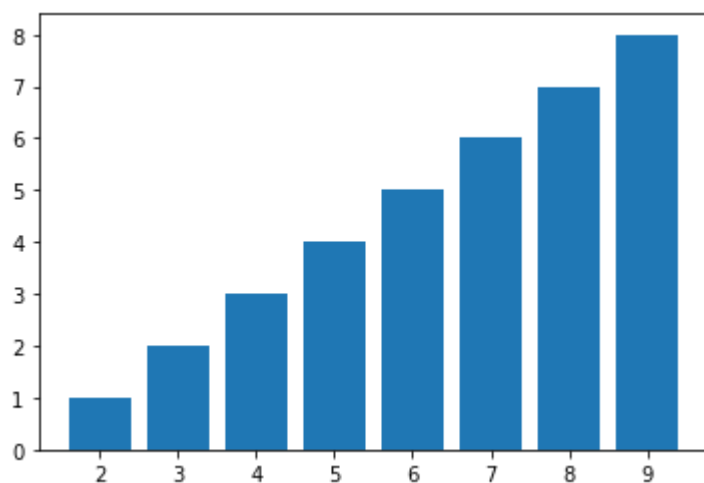
In [ ]:

```
fig,ax = plt.subplots()
ax.scatter(x,y)
plt.show()
```



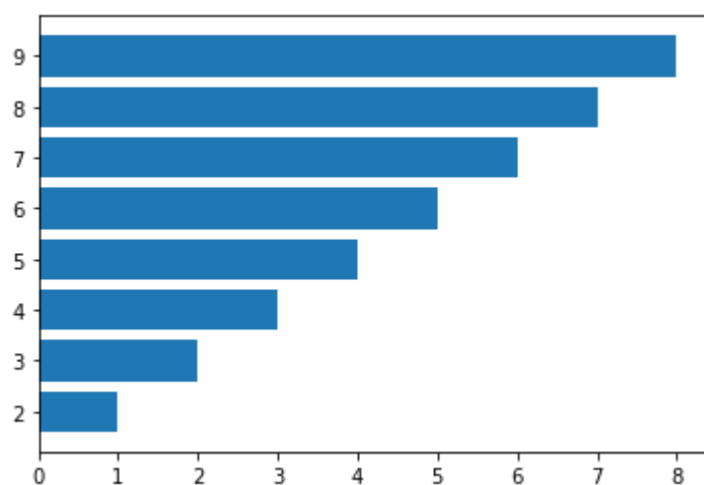
In [ ]:

```
fig,ax = plt.subplots()
ax.bar(x,y)
plt.show()
```



In [ ]:

```
fig,ax = plt.subplots()
ax.barh(x,y)
plt.show()
```

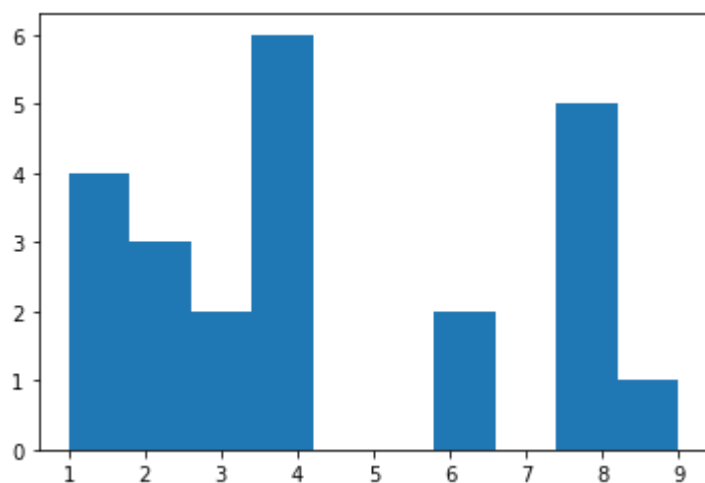


In [ ]:

```
z = [1,1,1,1,2,2,2,3,3,4,4,4,4,4,4,6,6,8,8,8,8,8,9]
```

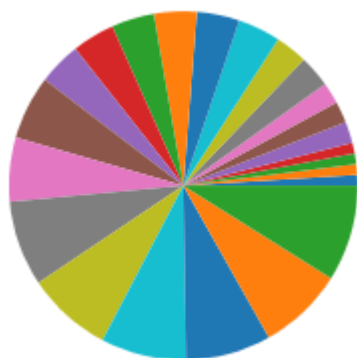
In [ ]:

```
fig,ax = plt.subplots()
ax.hist(z)
plt.show()
```



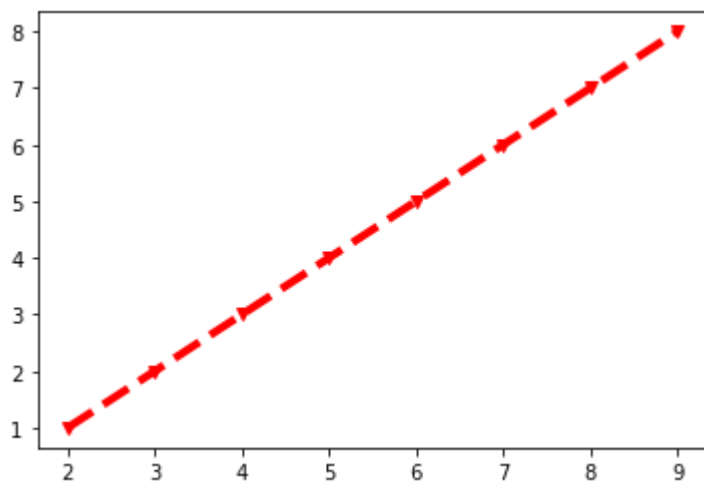
In [ ]:

```
fig,ax = plt.subplots()
ax.pie(z)
plt.show()
```



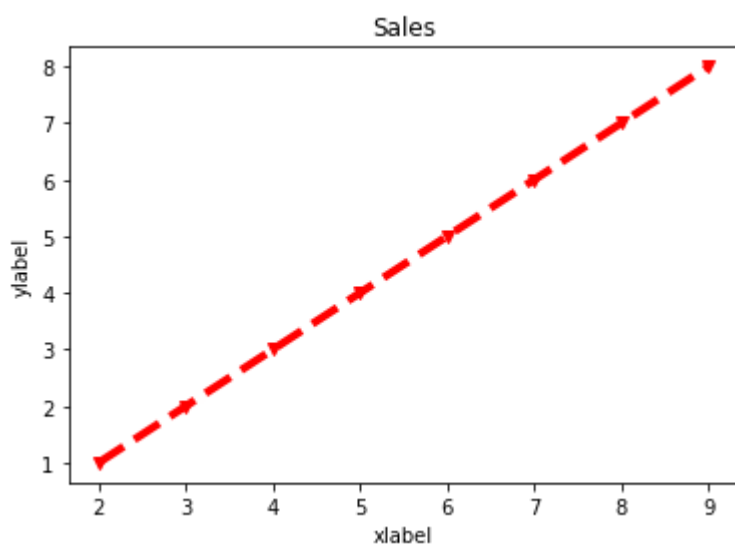
In [ ]:

```
fig,ax = plt.subplots()
ax.plot(x,y,color='red',linestyle='--',marker='v',linewidth=4)
plt.show()
```



In [ ]:

```
fig,ax = plt.subplots()
ax.plot(x,y,color='red',linestyle='--',marker='v',linewidth=4)
ax.set_title('Sales')
ax.set_xlabel('xlabel')
ax.set_ylabel('ylabel')
plt.show()
```



In [ ]:

```
import seaborn as sns
```

In [ ]:

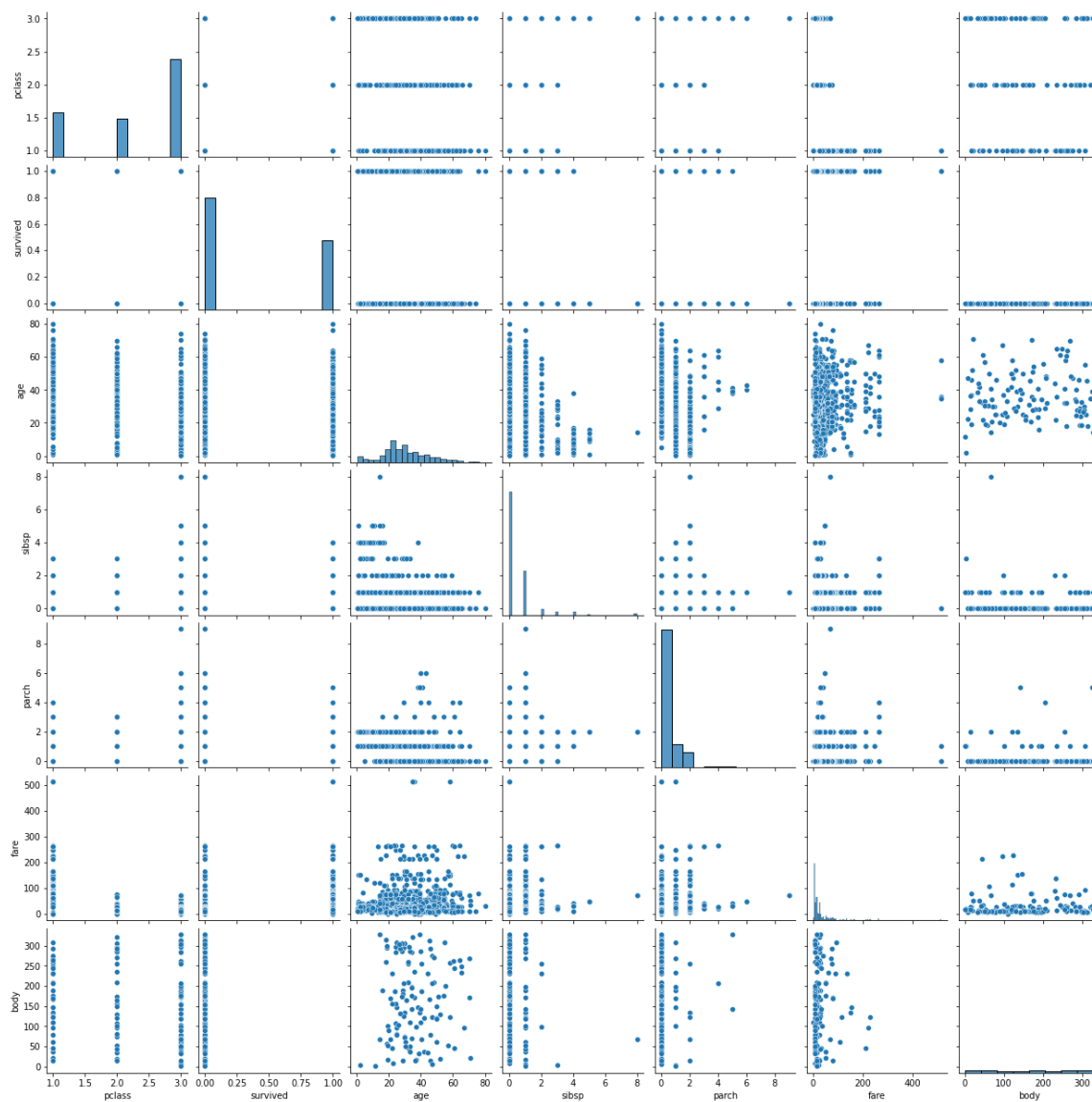
```
import pandas as pd
titanic = pd.read_csv('https://github.com/YBI-Foundation/Dataset/raw/main/Titani
c.csv')
```

In [ ]:

```
sns.pairplot(titanic)
```

Out[ ]:

<seaborn.axisgrid.PairGrid at 0x7f48d9418b90>



In [ ]: