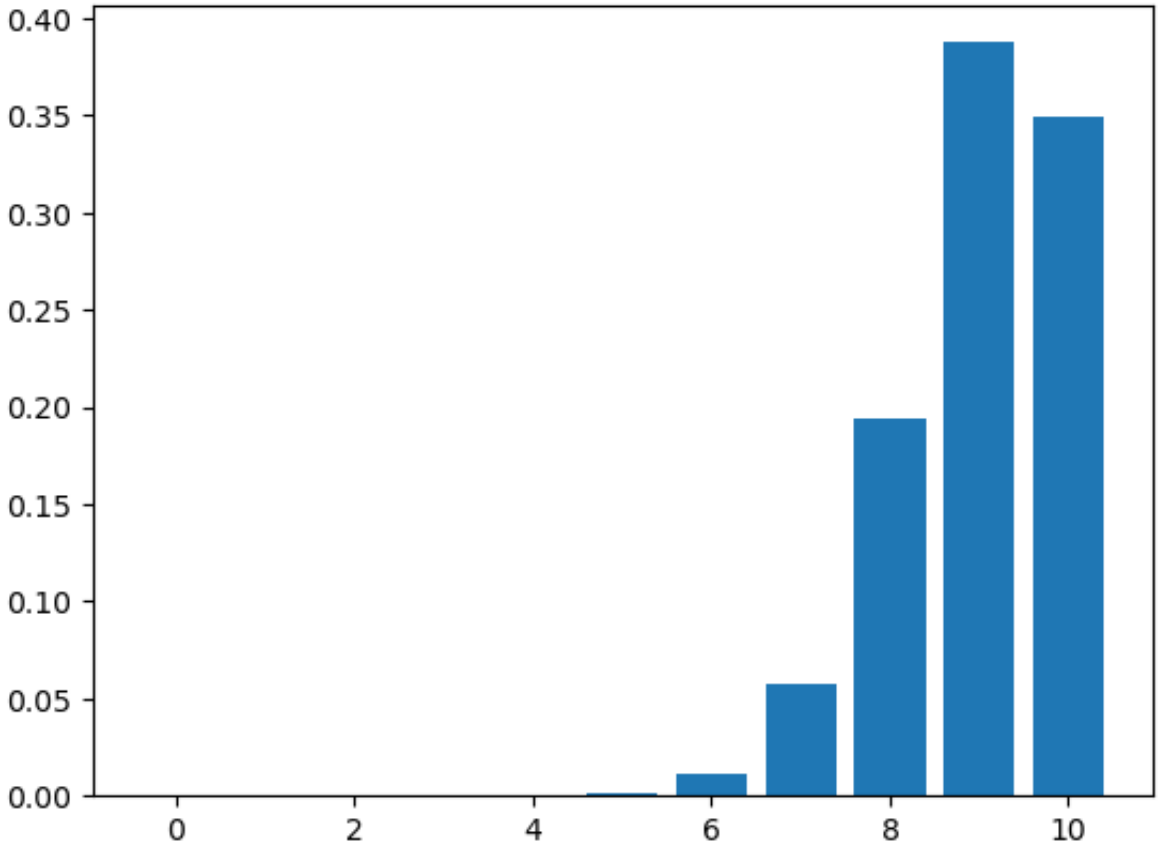
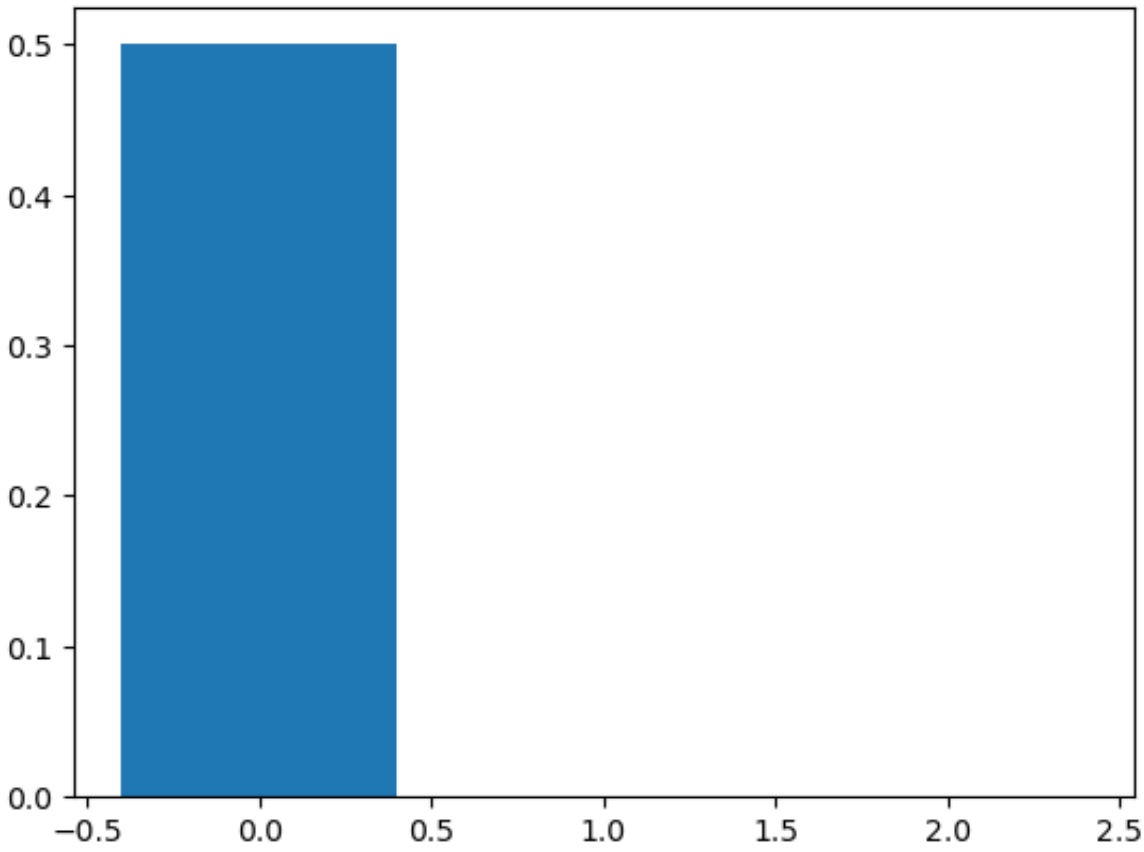
In [4]:
```
from scipy.stats import binom
import matplotlib.pyplot as plt
```

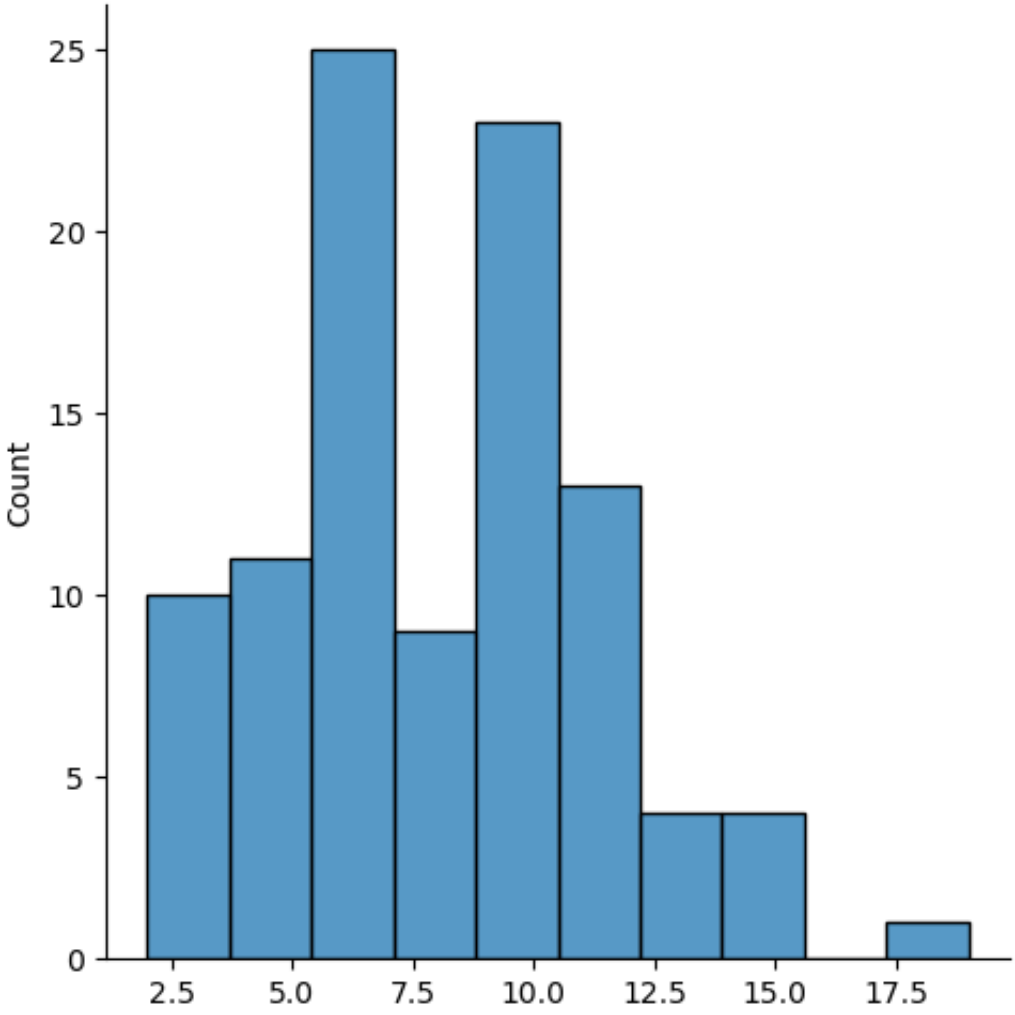
In [9]:
```
n=10
p=0.9
nvalues=list(range (n+1))
dist=[binom.pmf(r,n,p)for r in nvalues]
plt.bar(nvalues,dist)
plt.show()
```



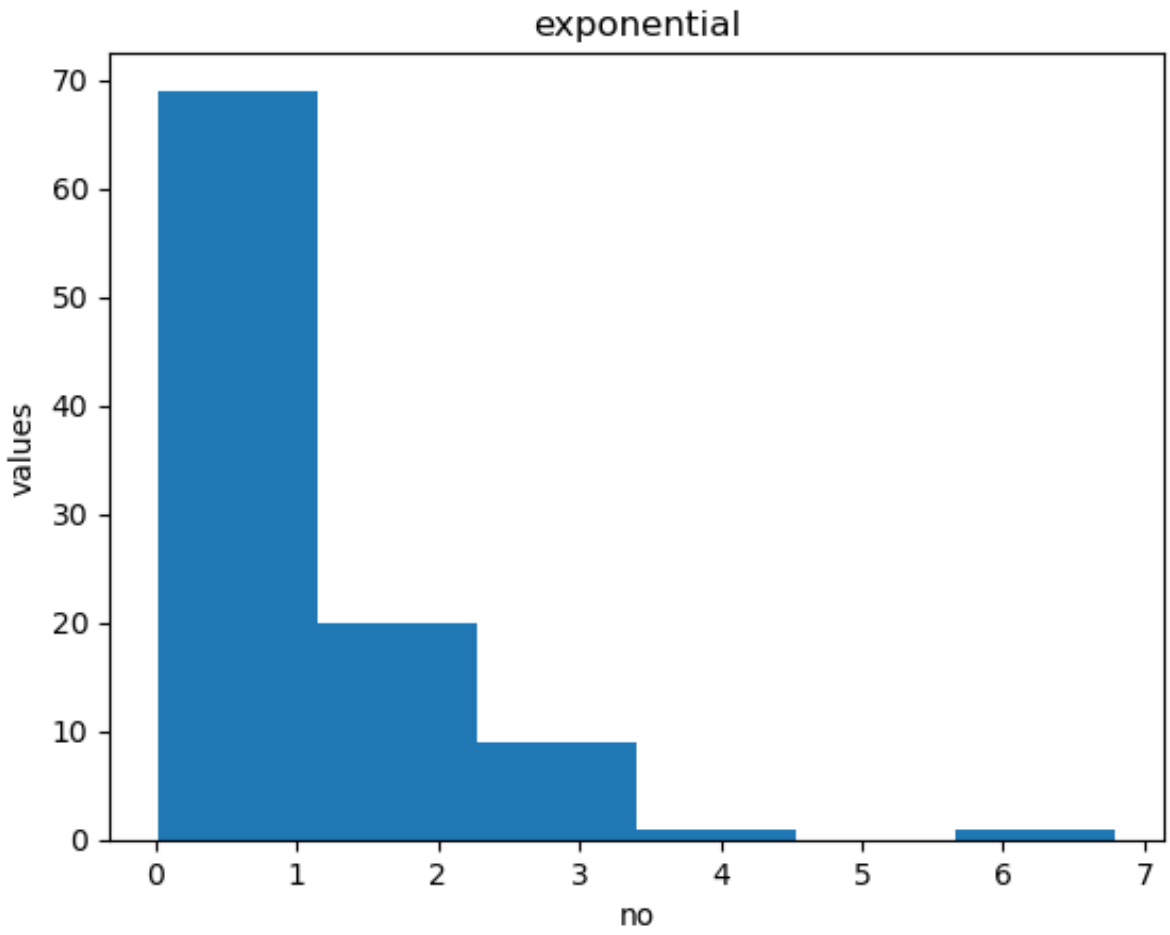
In [11]:
```
from scipy.stats import bernoulli
bd=bernoulli (0.5)
x=[0,2]
plt.bar (x, bd.pmf(x))
plt.show()
```



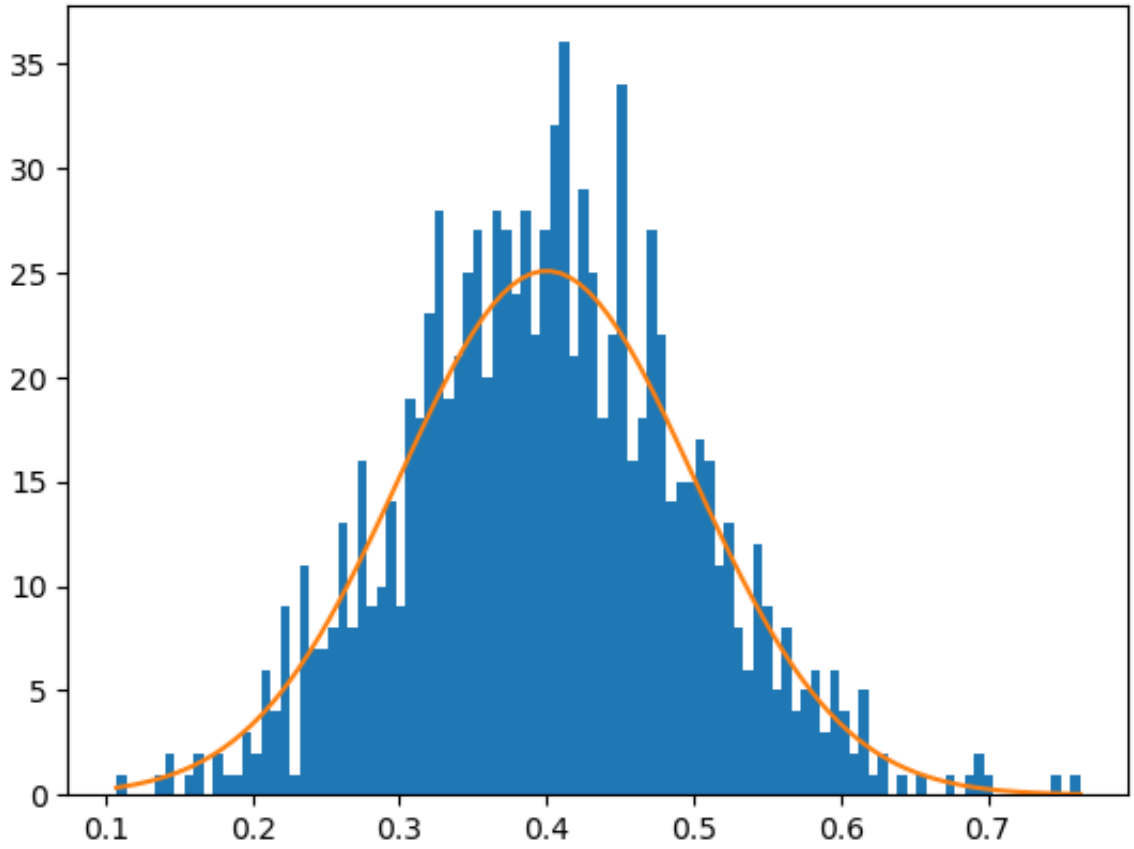
In [12]:
```
from numpy import random
import matplotlib.pyplot as plt
import seaborn as sns
sns.displot(random.poisson(lam=8,size=100))
plt.show()
```



In [13]:
```
import numpy as np
import matplotlib.pyplot as plt
exp=np.random.exponential (1,100)
count, bins,ignored=plt.hist(exp, 6)
plt.title("exponential")
plt.xlabel("no")
plt.ylabel ("values")
plt.show()
```



In [20]:
```
import matplotlib.pyplot as plt
mu,sigma=0.4,0.1
s=np.random.normal(mu, sigma,1000)
count,bins,ignored=plt.hist(s,100)
plt.plot(bins,1/sigma*np.sqrt(2*np.pi)*np.exp(-(bins-mu)**2/(2*sigm
plt.show()
```



In [ ]: