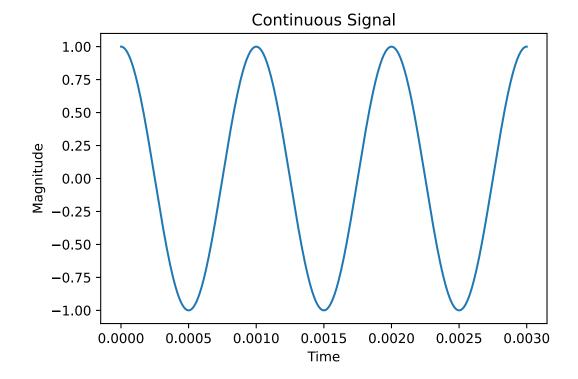
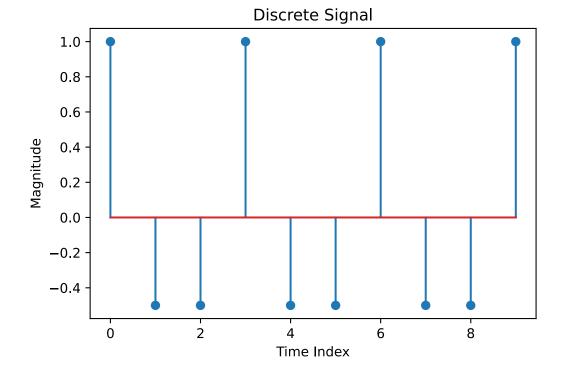
```
In [2]: import numpy as np
import matplotlib.pyplot as plt
```

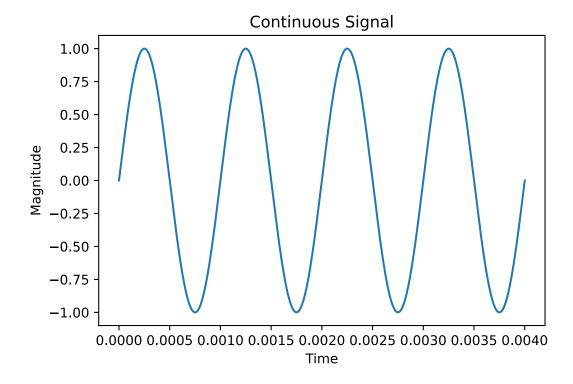
```
In [17]: t=np.linspace(0,.003,3000)
    a=np.cos(2000*np.pi*t)
    plt.plot(t,a)
    plt.ylabel('Magnitude')
    plt.xlabel('Time')
    plt.title('Continuous Signal')
    plt.show()
```

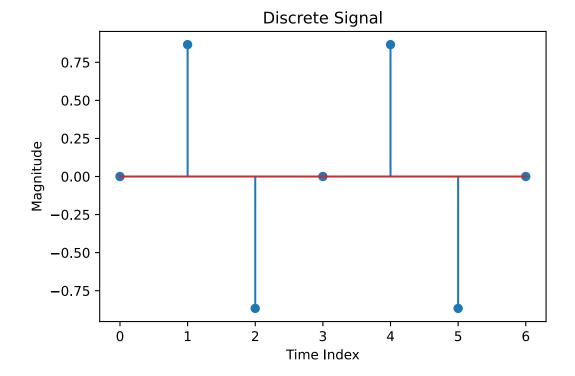


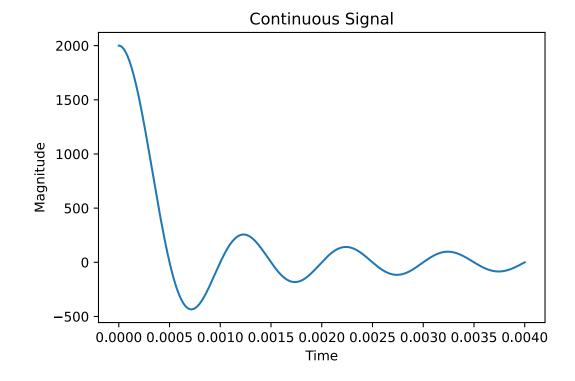
```
In [24]: n=np.linspace(0,9,10)
    an=np.cos(2*np.pi*n/3)
    plt.stem(an)
    plt.ylabel('Magnitude')
    plt.xlabel('Time Index')
    plt.title('Discrete Signal')
    plt.show()
```

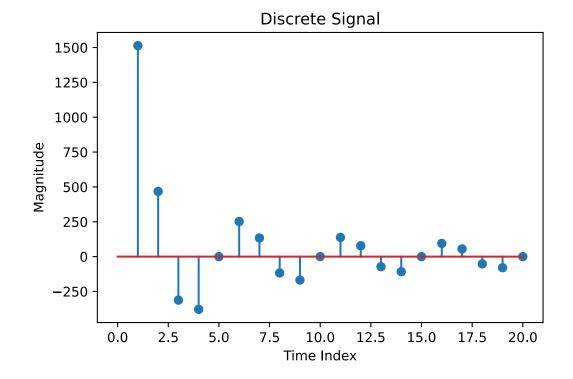


```
In [32]: t=np.linspace(0,.004,3000)
b=np.sin(2000*np.pi*t)
plt.plot(t,b)
plt.ylabel('Magnitude')
plt.xlabel('Time')
plt.title('Continuous Signal')
plt.show()
```









```
In [ ]:
```