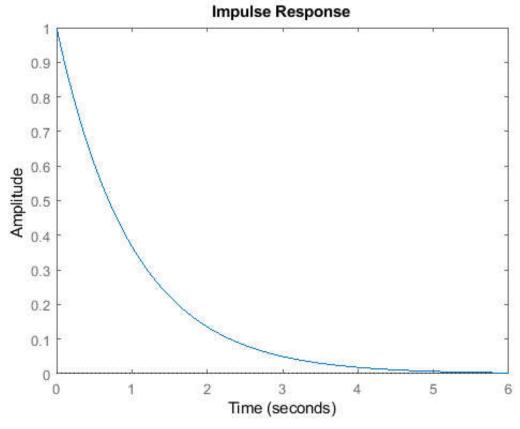
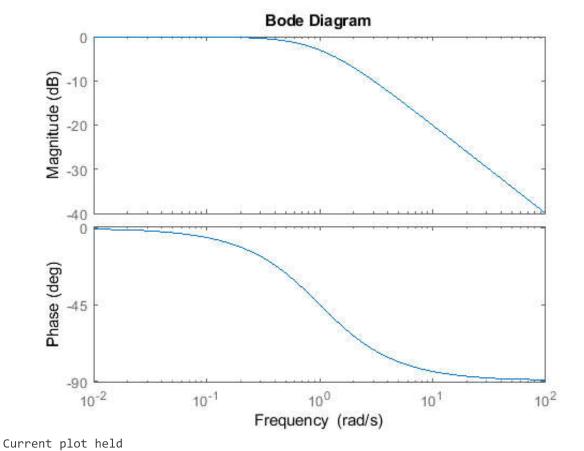
• impulse response of tf=1/(1+s)

```
s=tf('s');
stf=1/(1+s);
figure(1)
impulse(stf)
hold
```



Current plot held

```
figure(2)
bode(stf)
hold
```



• ztf=c2d(1/1+s, 0.01)

```
Ts=.01;
ztf=c2d(1/(1+s), Ts,'matched')

ztf =
    0.00995
    -----
z - 0.99

Sample time: 0.01 seconds
Discrete-time transfer function.
```

• impulse response of ztf

```
figure(1)
impulse(ztf,[0:Ts:6])
legend
```

