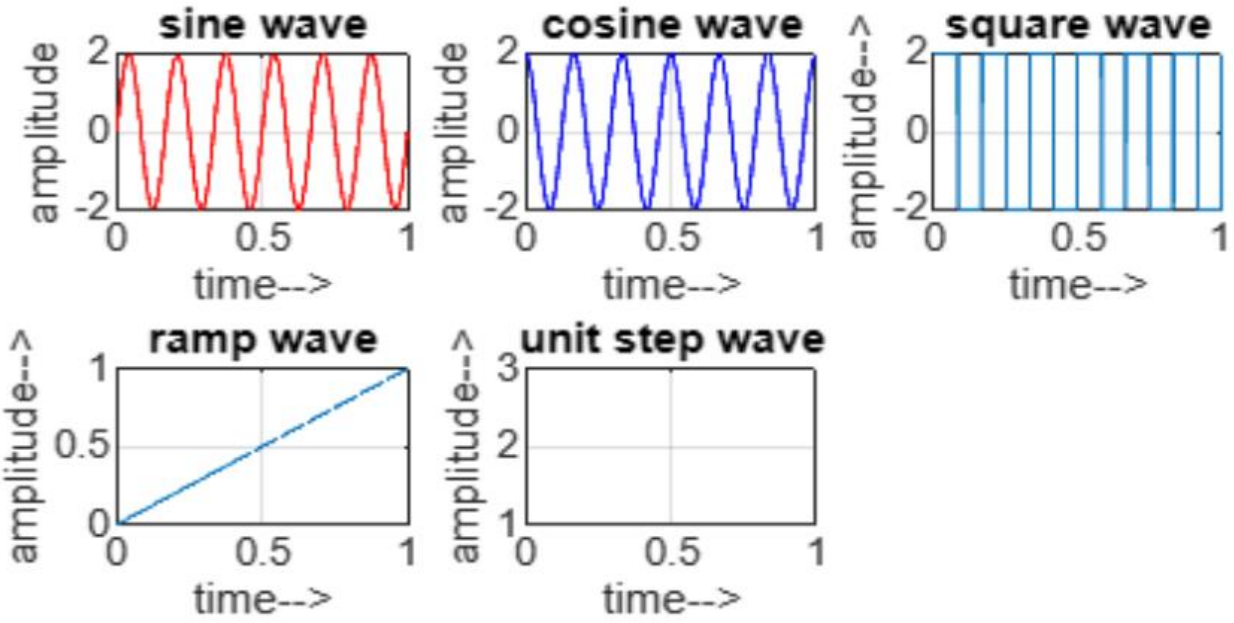
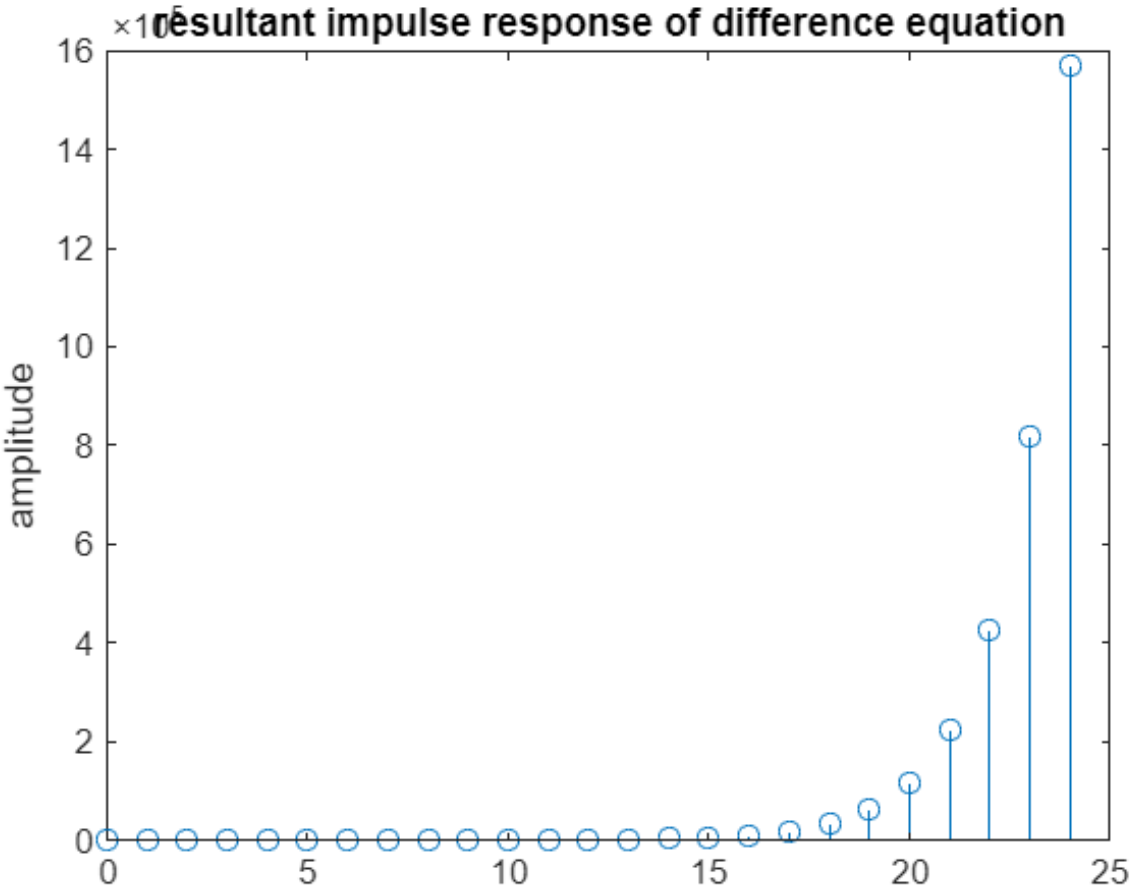
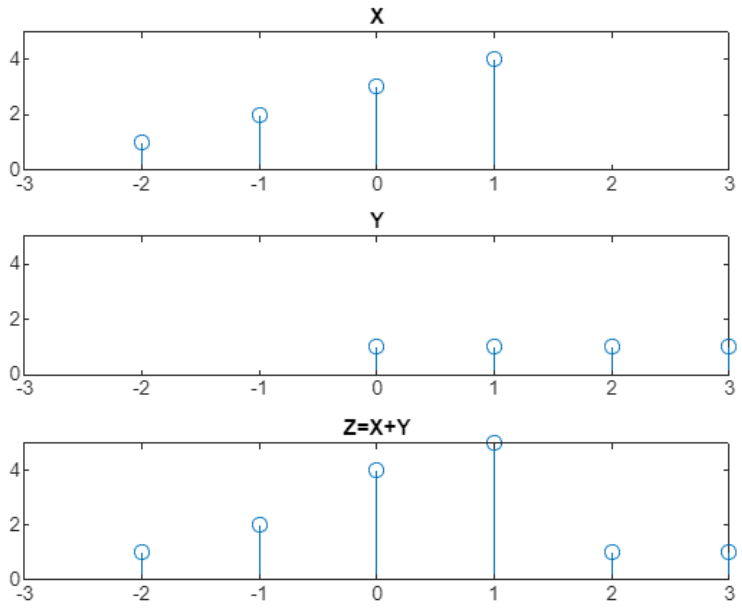
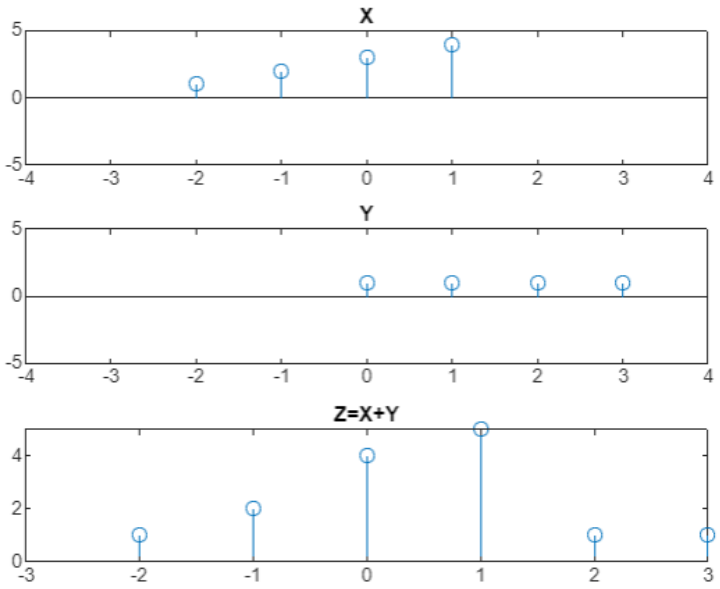
Experiment:-1

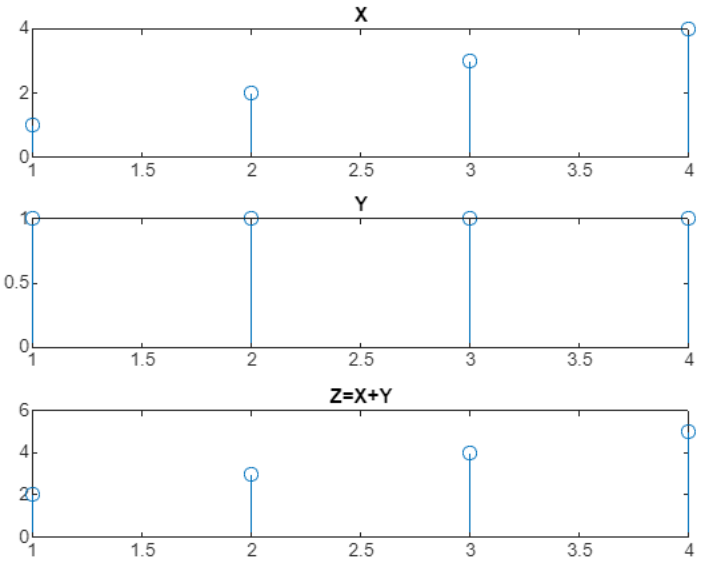


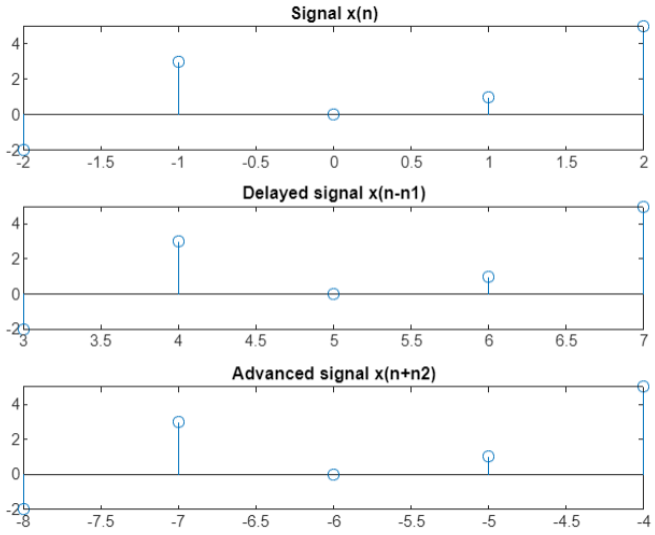
Experiment:-2

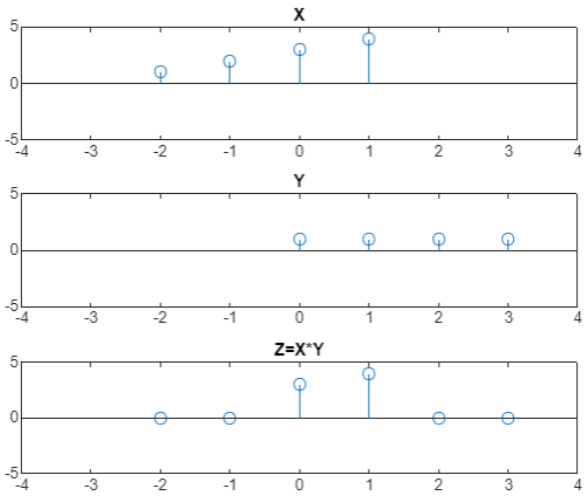


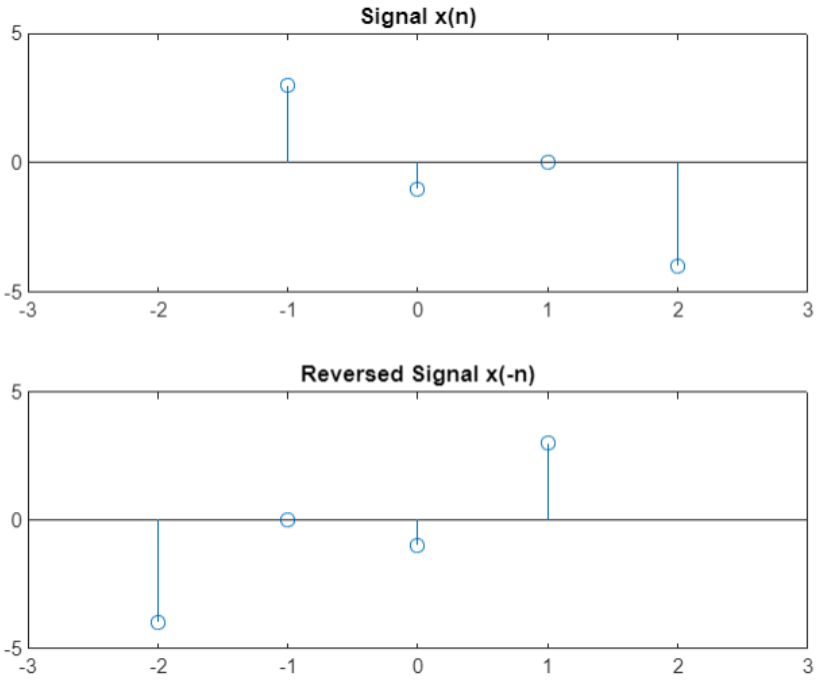

X
Y
Z=X+Y


X
Y
Z=X+Y


X
Y
Z=X+Y


Signal x(n)
Delayed signal x(n-n1)
Advanced signal x(n+n2)


X
Y
Z=X*Y


Signal x(n)
Reversed Signal x(-n)

Experiment:-4

z tranform of a^n a > 1 z/(z - 2)

z tranform of a^n 0 < a < 1 z/(z - 1/2)

z tranform of 1+n z / (z - 1) + z / ((z - 1) ^ 2)

inverse z tranform of a^n a > 1 2^n

inverse z tranform of a^n 0<a<1 (1/2)^n

inverse z tranform of 1 + n n + 1

>>

Experiment:-5

enter the numerator polynomial vector

8

enter the denominator polynomial vector

4

H = 2

Static gain.

Model Properties

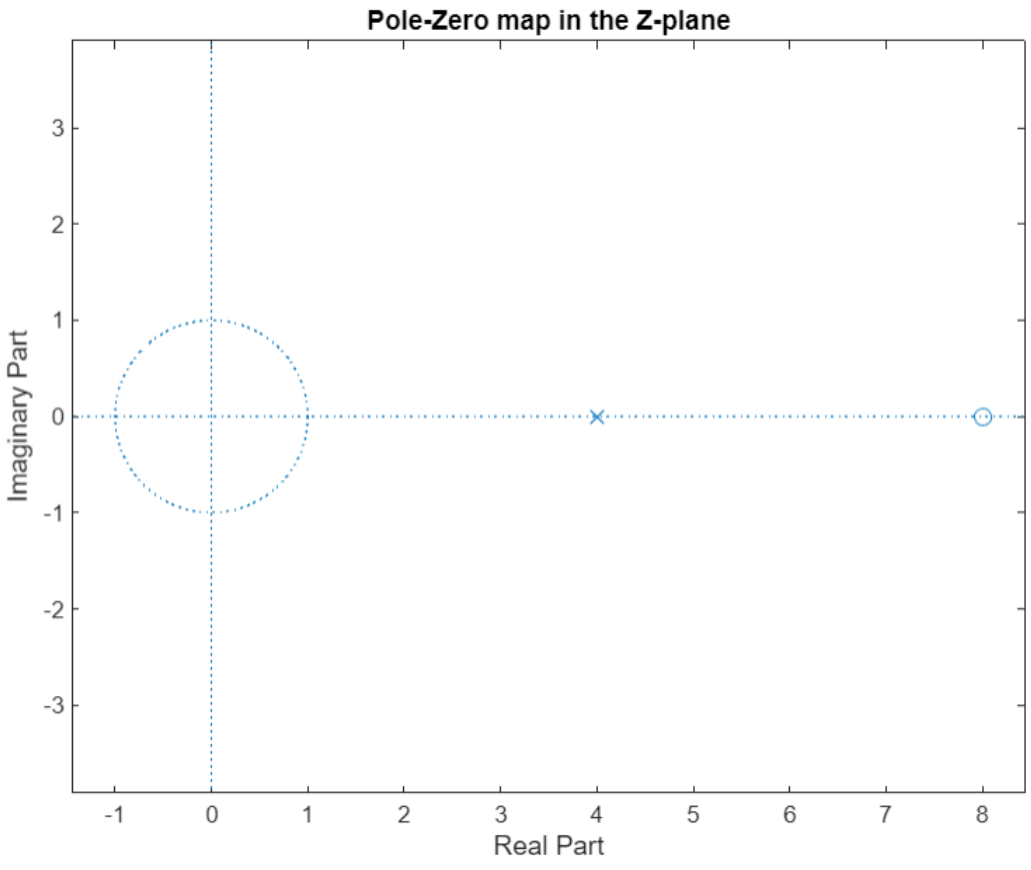
the zeros are at

the poles are at

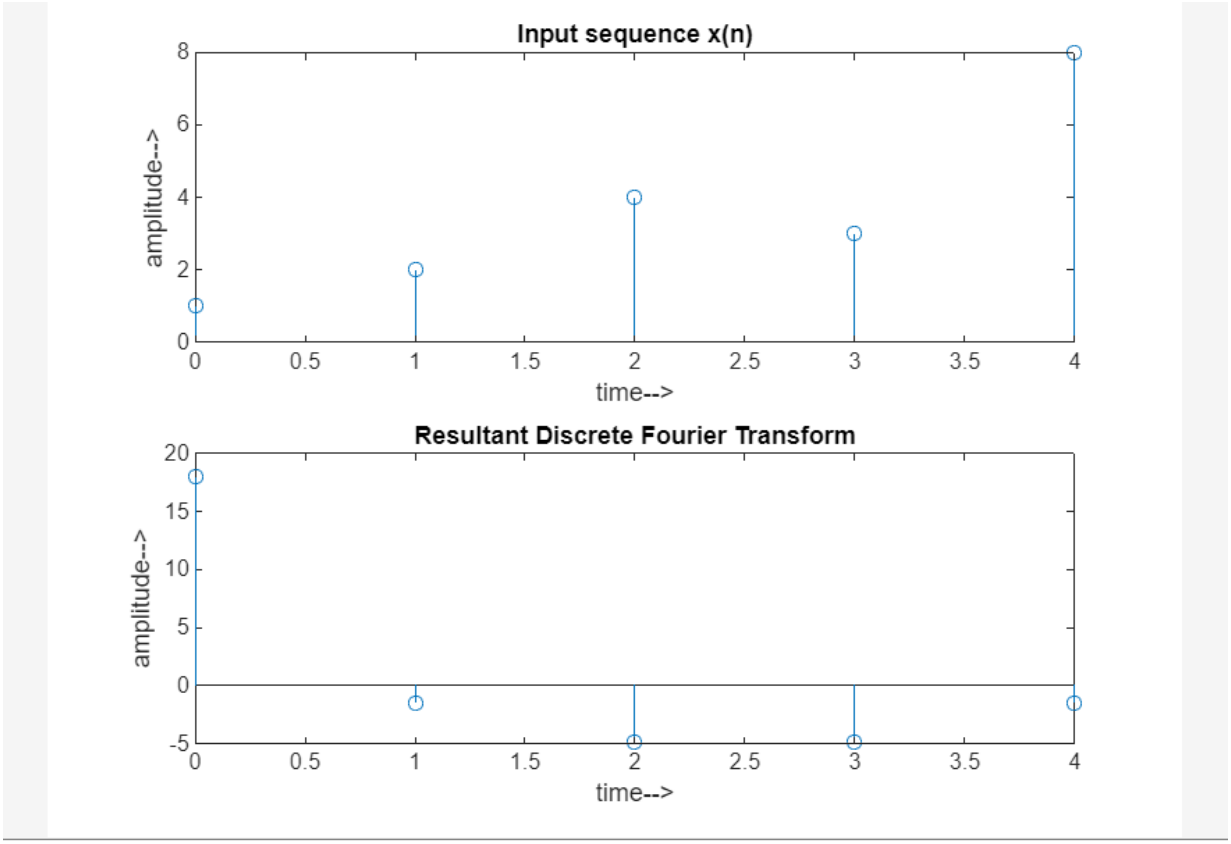
all the poles lie with in the unit circle

hence the system is stable

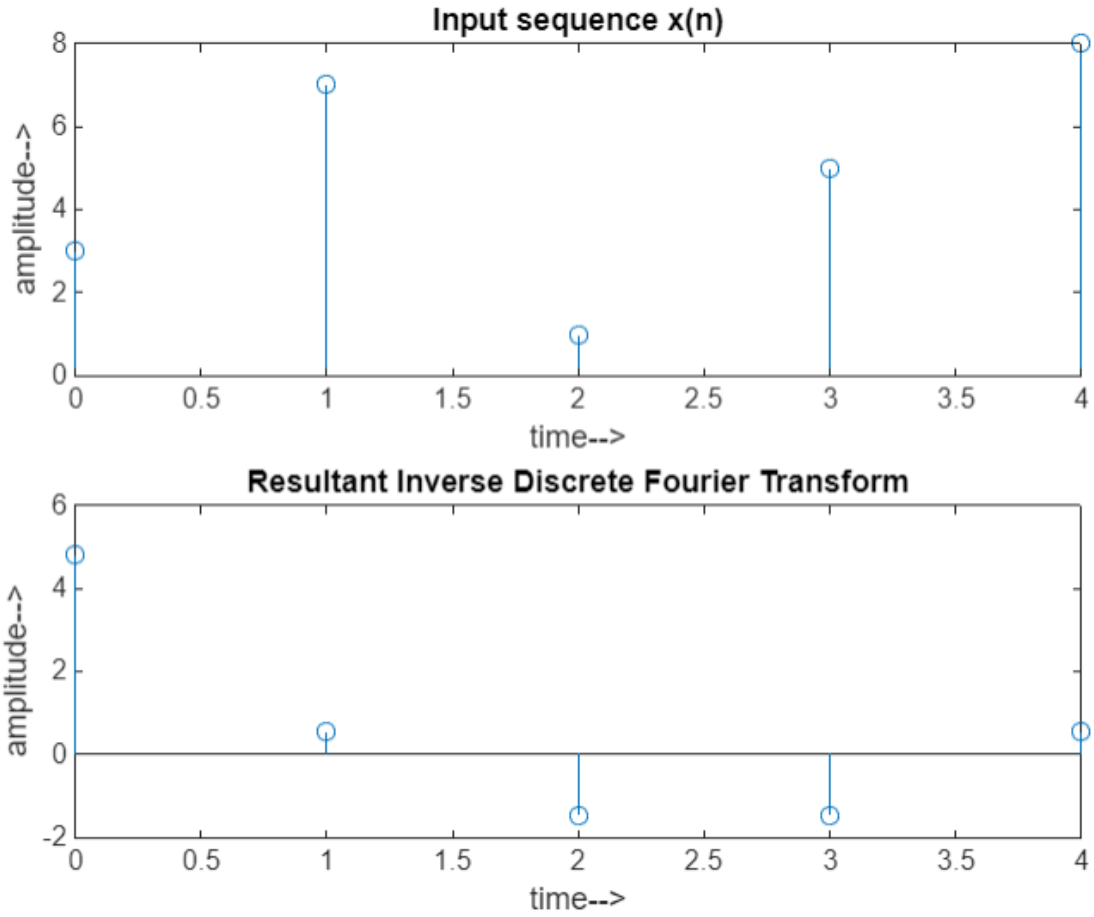
<



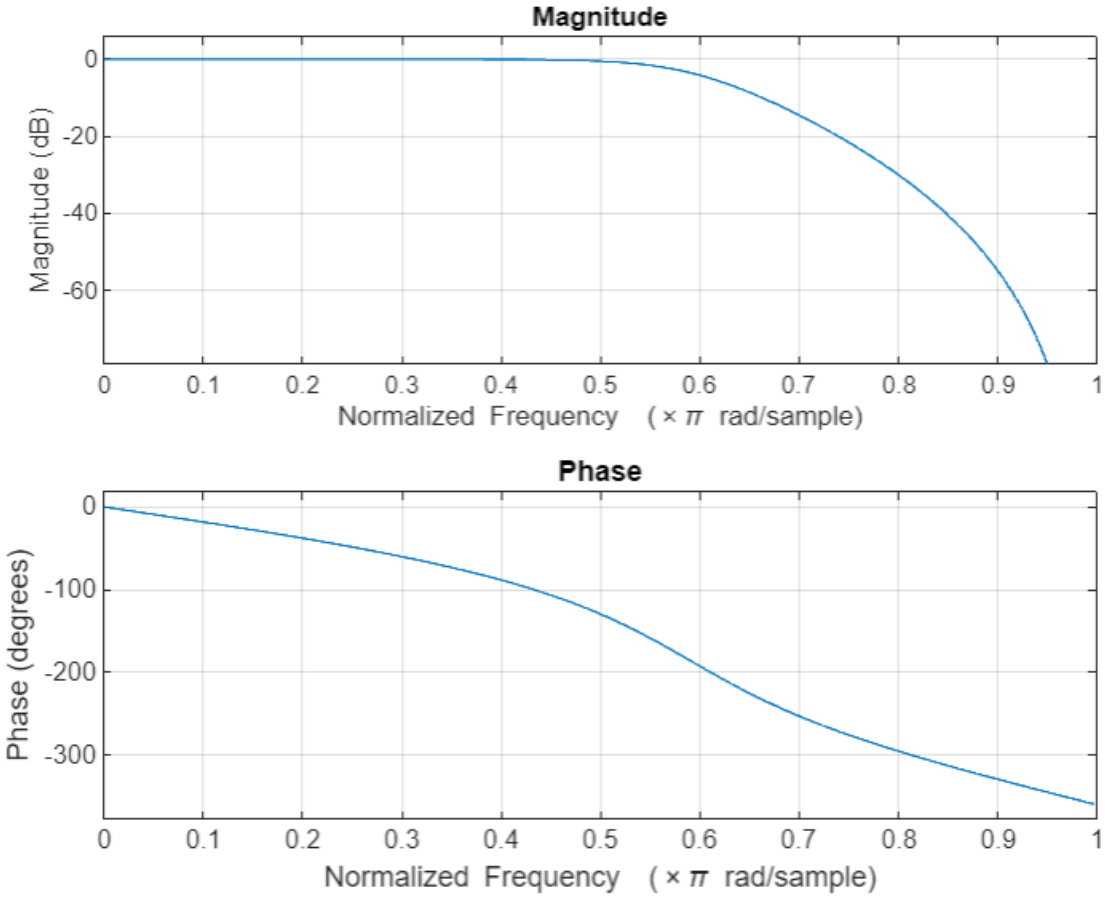
Experiment:-6



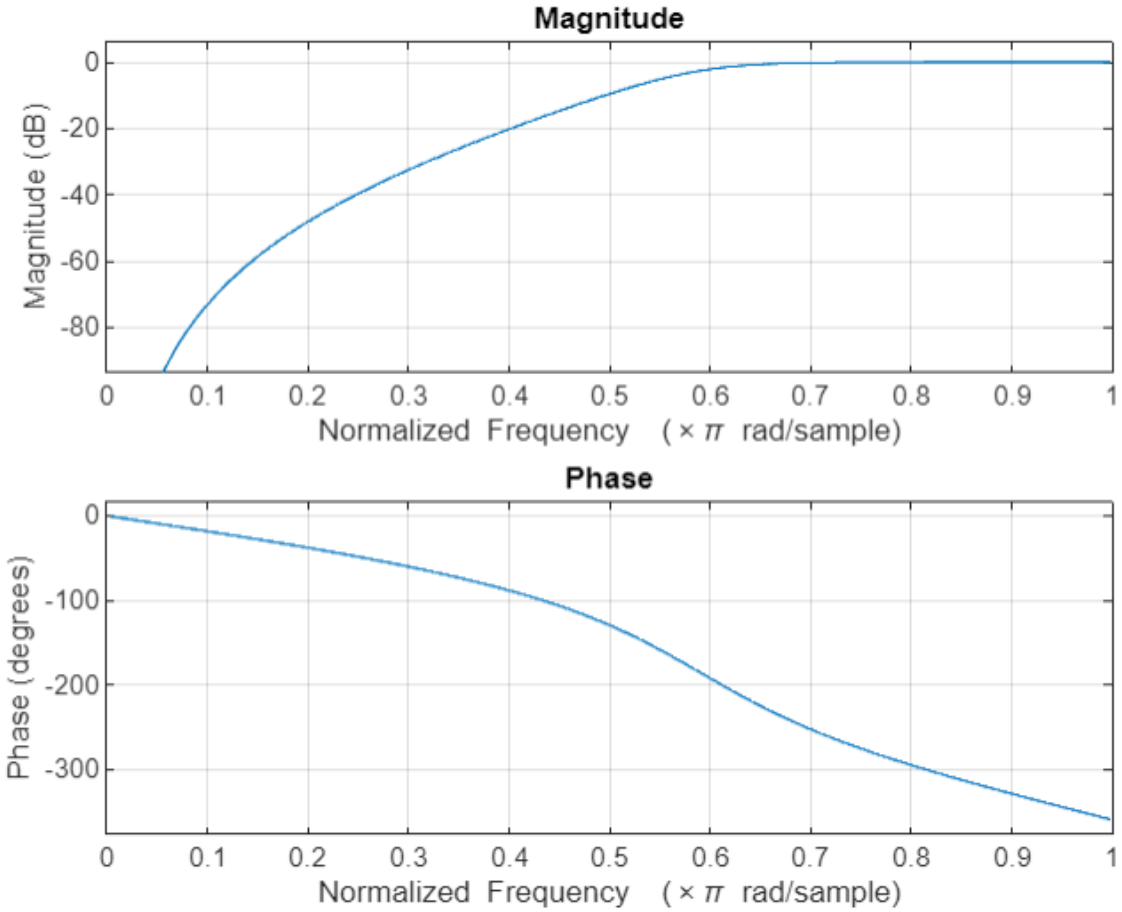
Experiment:-7



Experiment:-8



Experiment:-9



Experiment:-10