Experiment No: 4 Date:18.03.2021

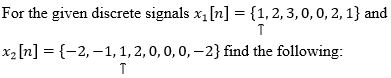
Name:- Ranit Pradhan Roll No:- AM.EN.U4ELC19028

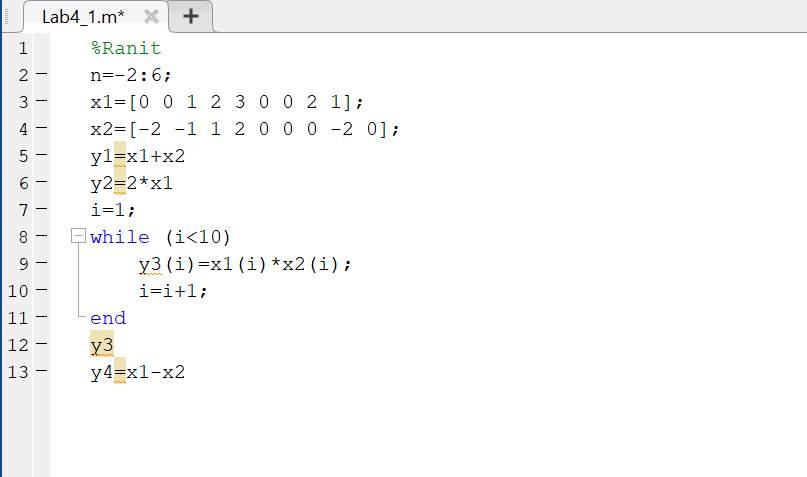
**BASIC OPERATION ON SIGNALS**

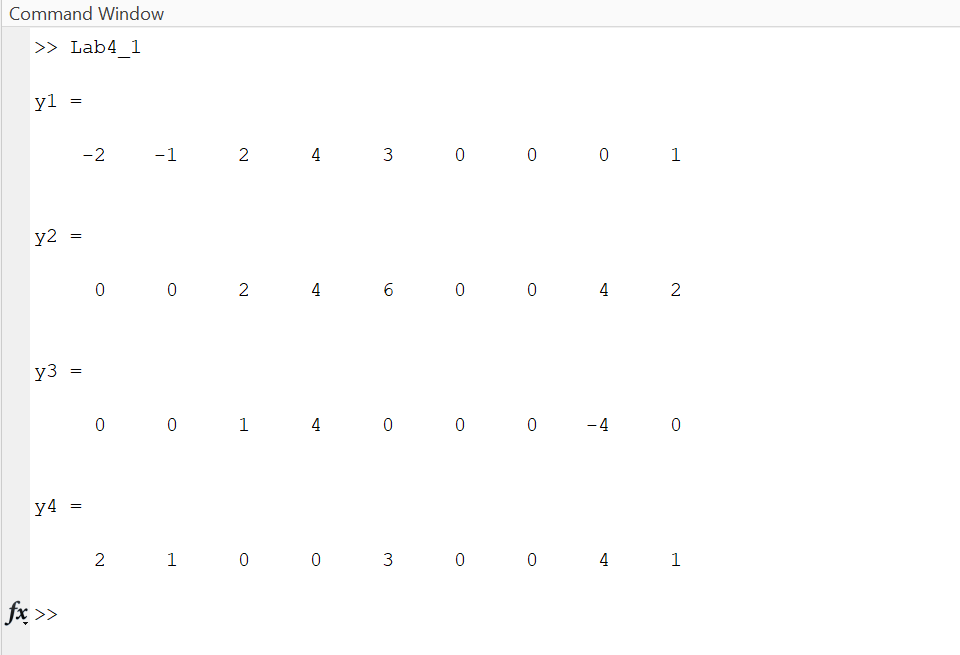
**AIM:**

To perform different operations on signals for both continuous and discrete case using MATLAB program.

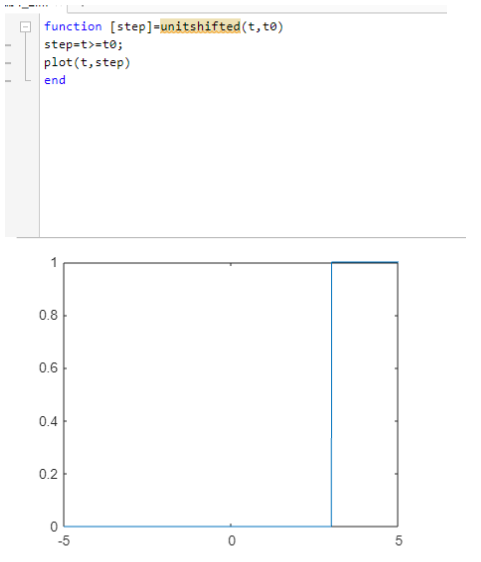
**Lab Exercise:**







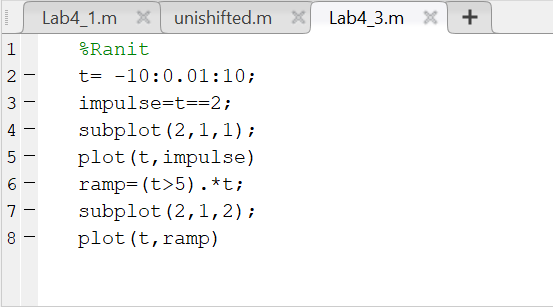
1. Write a function in MATLAB to generate the signal u(t-t0),(pass t0 as an input parameter).

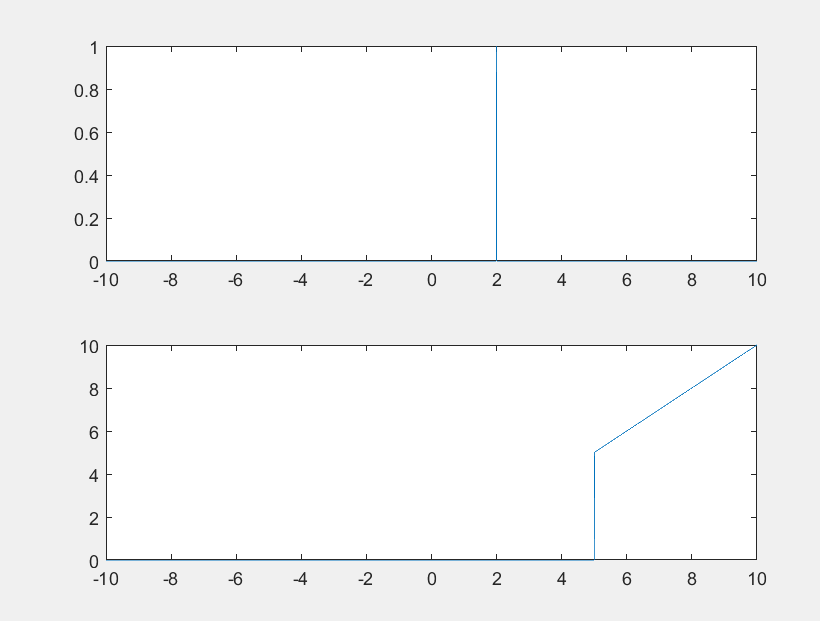


1. Use MATLAB to plot the following continuous time signals in the time interval

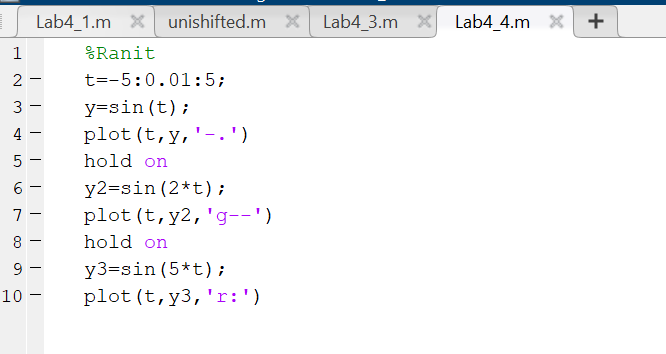
[-10 10].

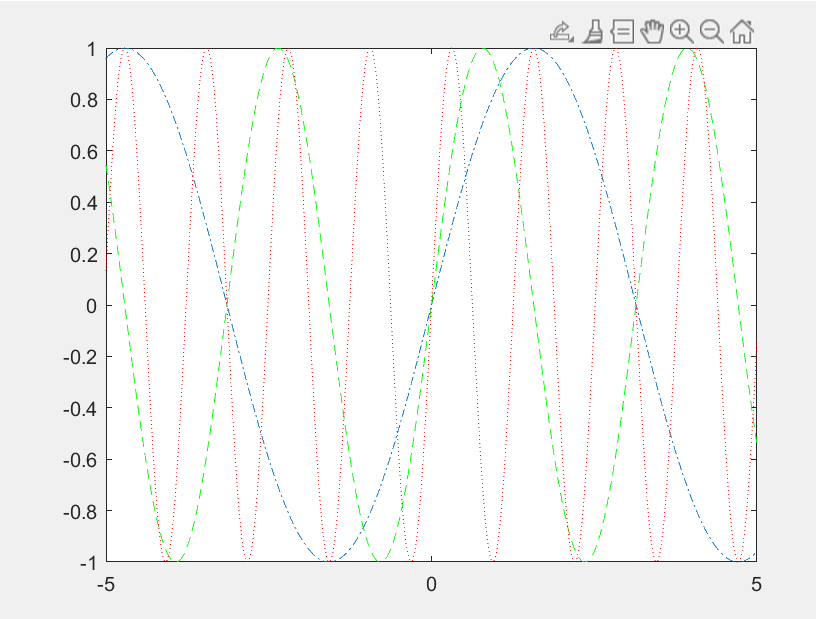
1. δ(t+2)
2. r(t+5)



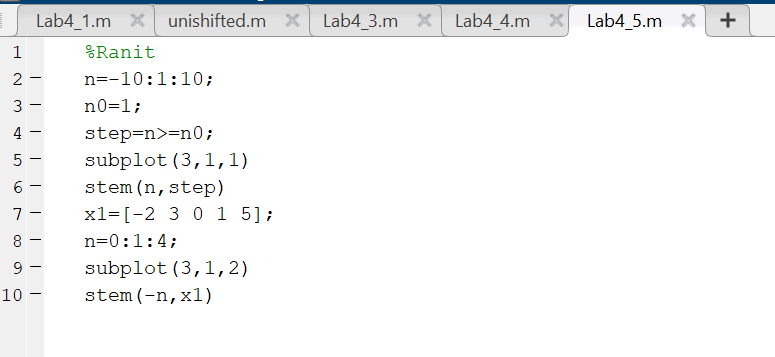


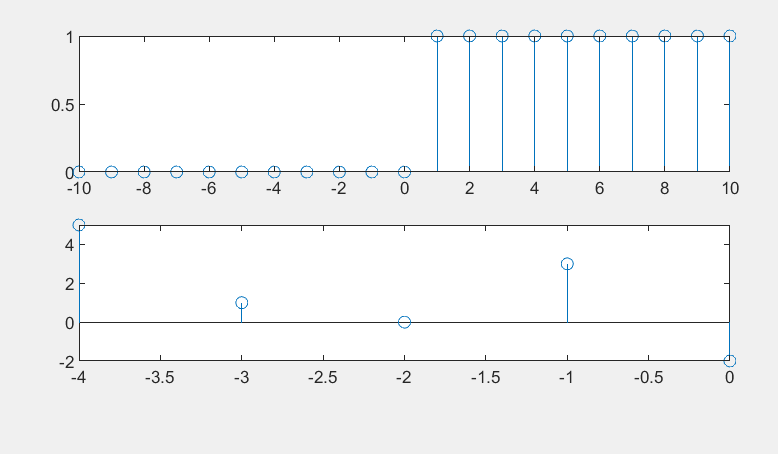
1. Plot the signals in the same figure window.



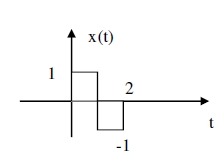


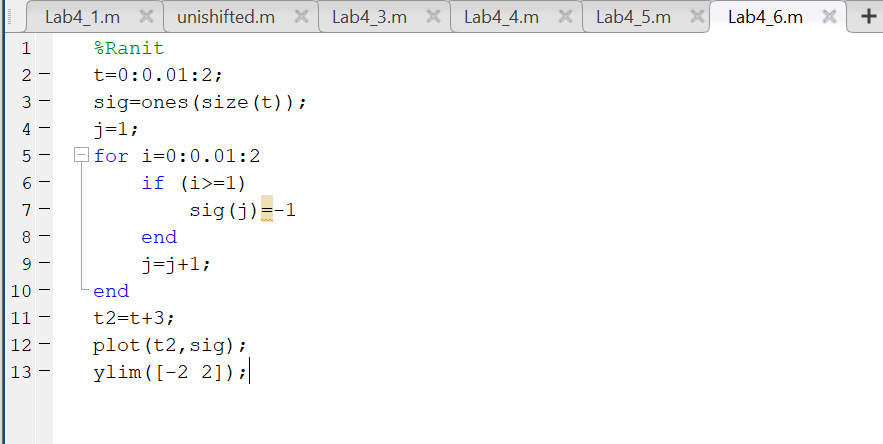
1. Plot the following discrete signals.
2. u[n-1]
3. , plot .
4. r[-n-1] × u[n-2]

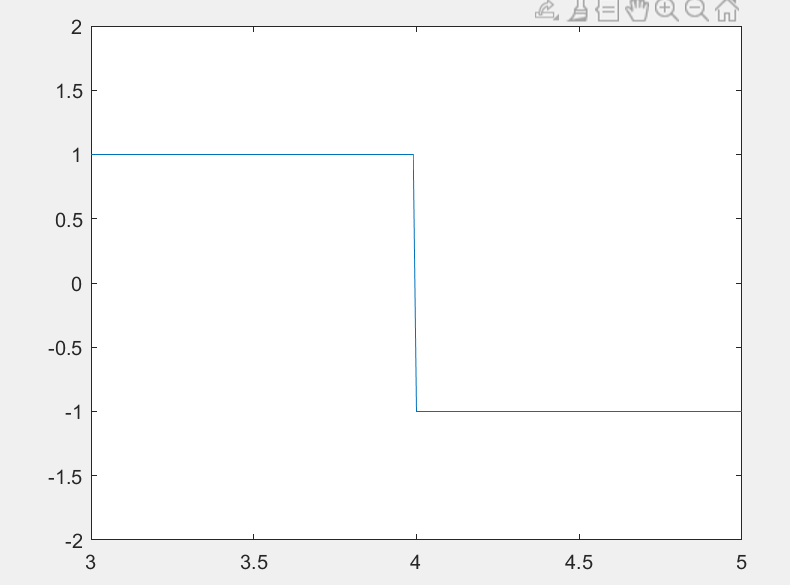


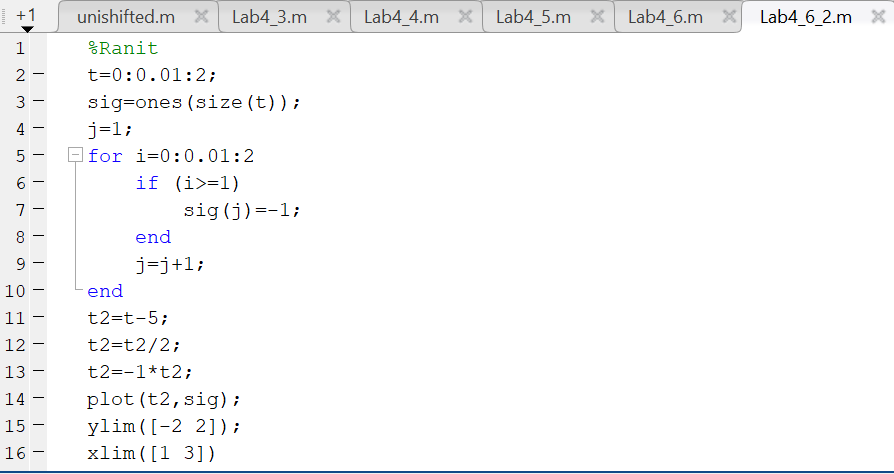


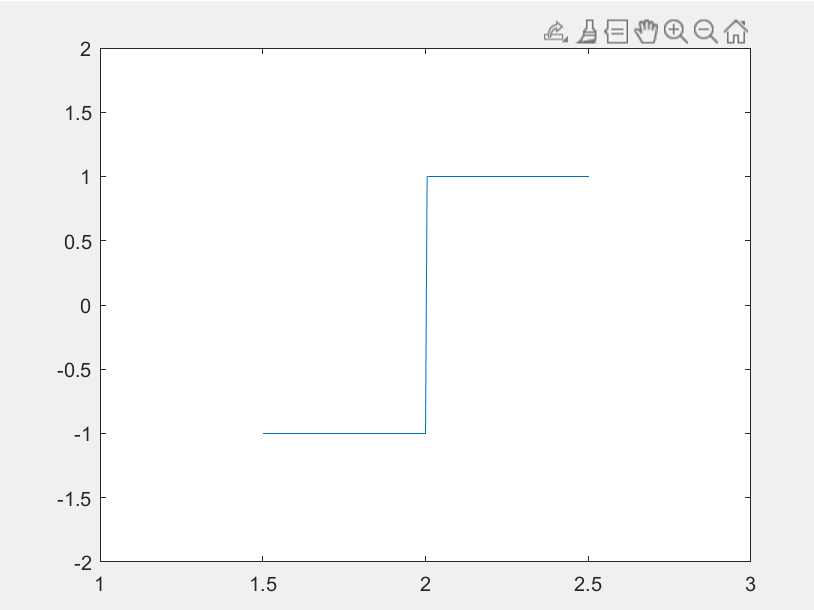
1. For the given signal , plot the following using MATLAB (i) x(t-3) (ii)











**Result:**

Different operations on signals for both continuous and discrete case using MATLAB program is coded and its screenshots are been pasted.

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