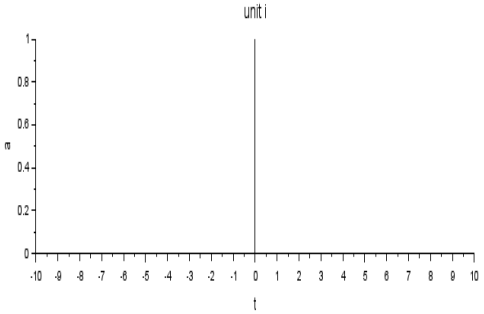
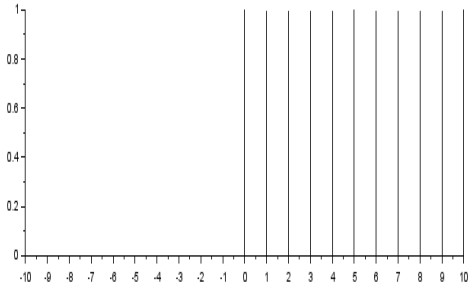
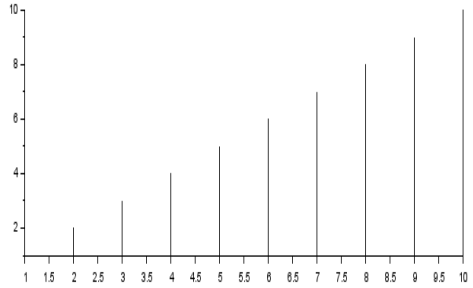
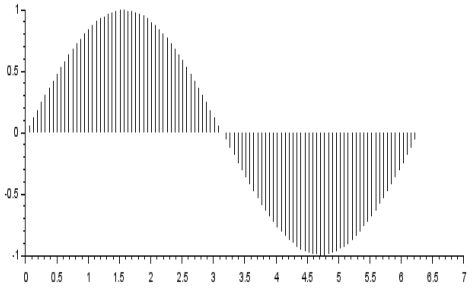
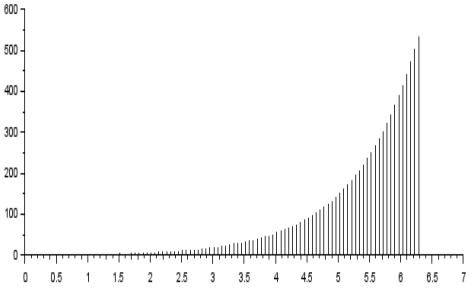
Experiment -1

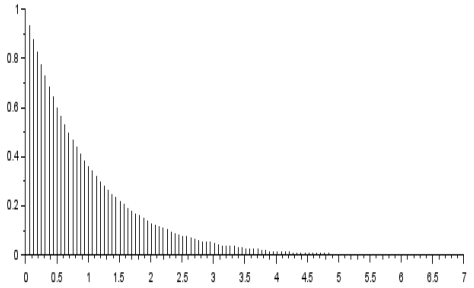


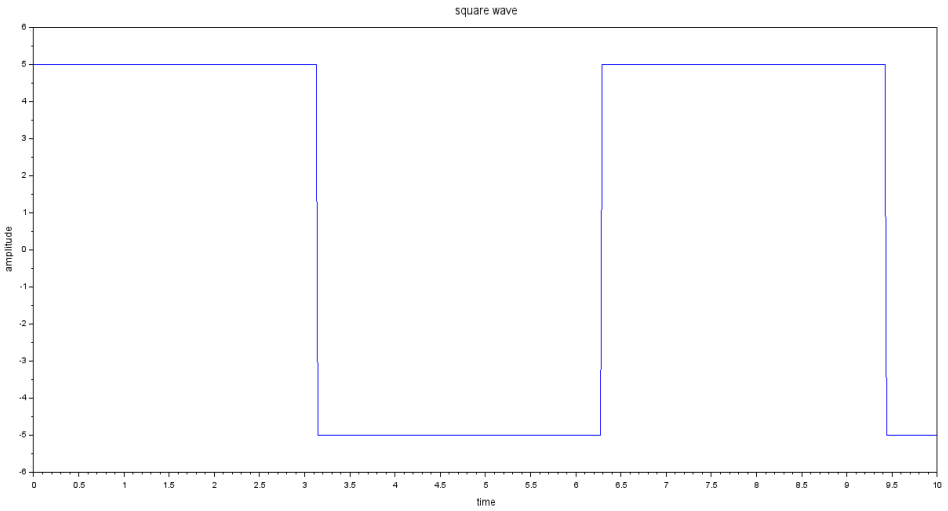


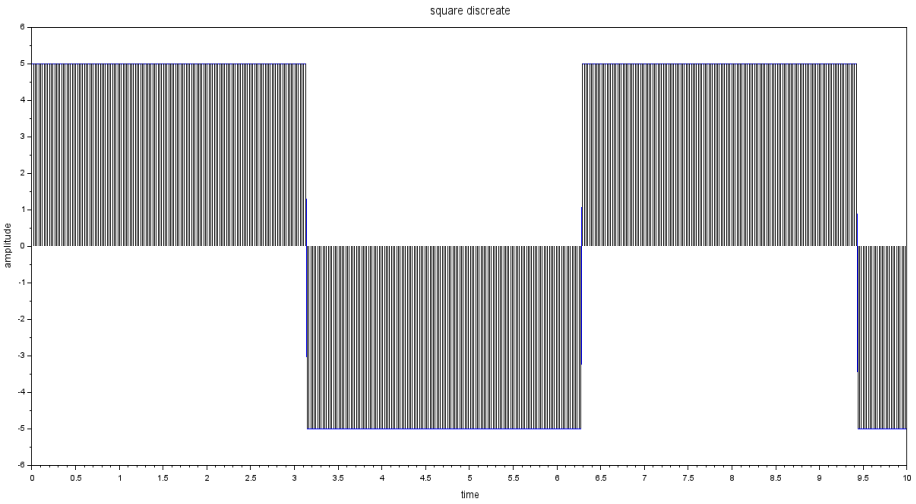


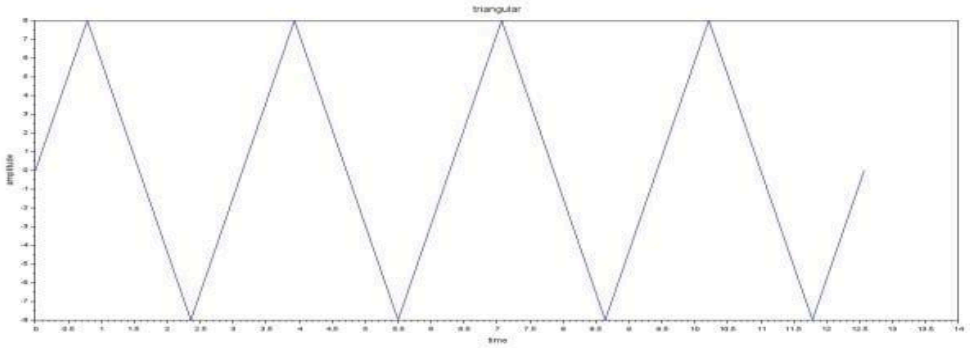




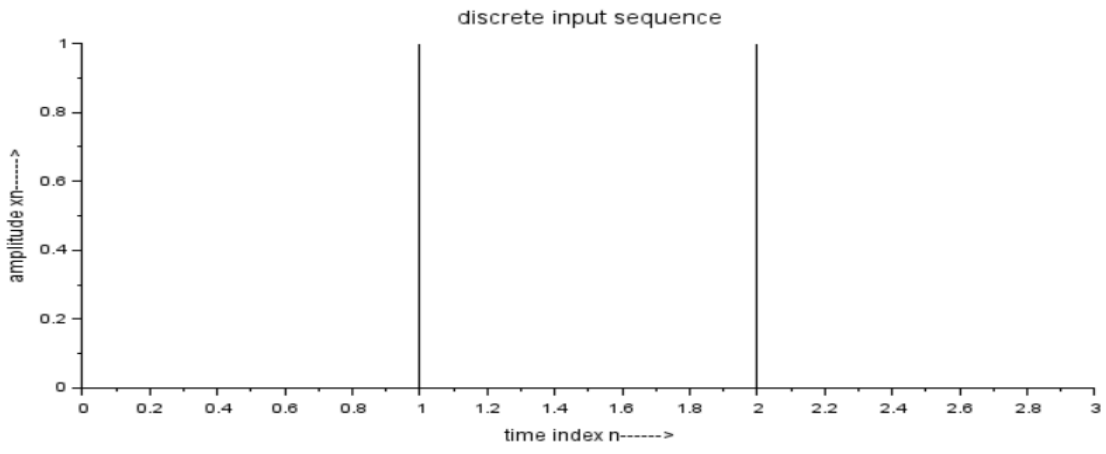


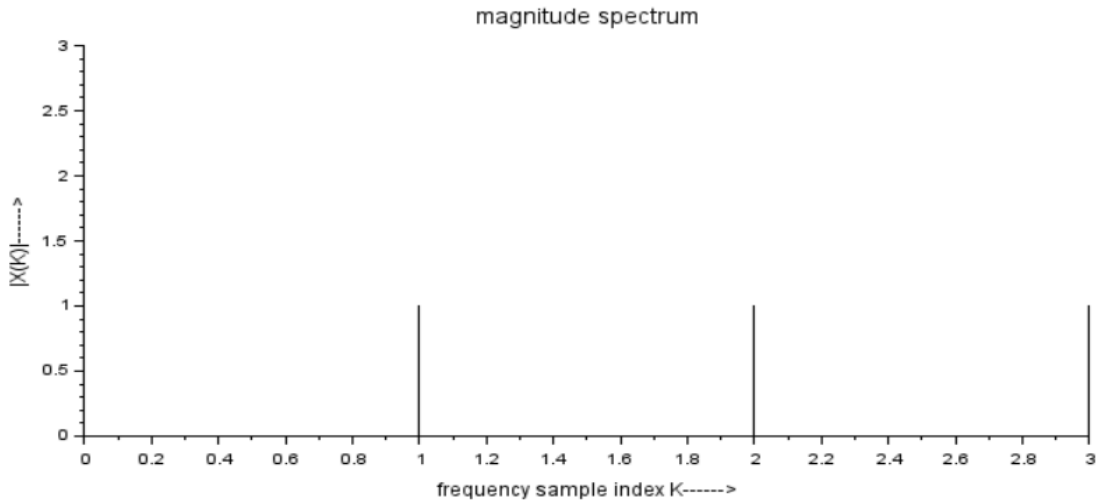


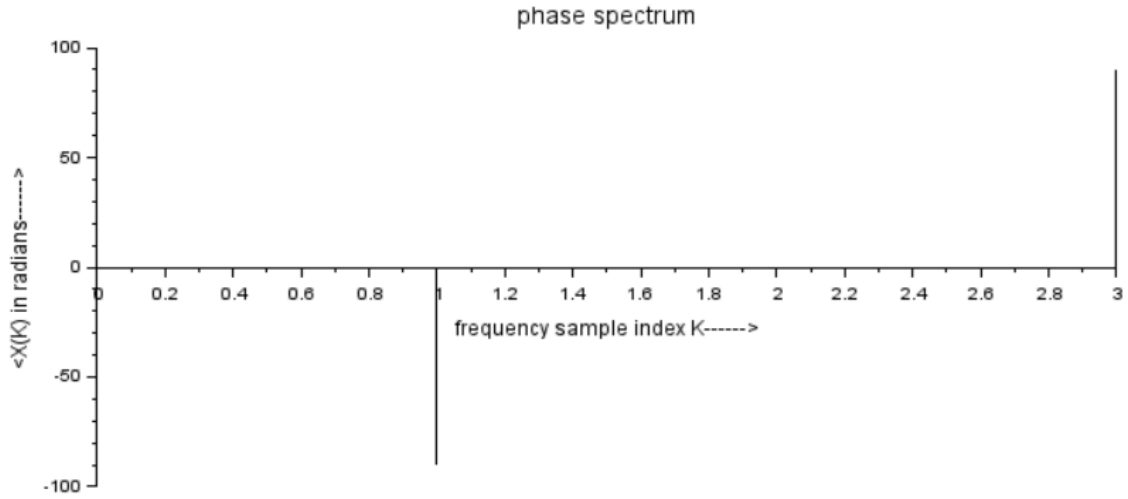




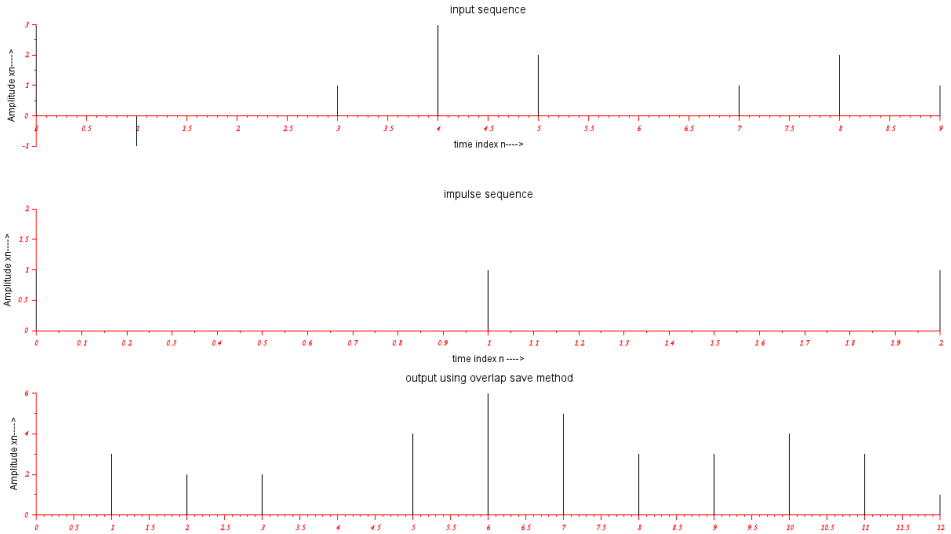
Experiment 3







Experiment 5



enter x seq[3 -1 0 1 3 2 0 1 2 1]

enter lower index x10

enter impulse seq[1 1 1]

enter lower index impulse h1 seq0

"output sequence using overlap save method"

column 1 to 4

3. 2. 2. 0.

column 5 to 8

4. 6. 5. 3.

column 9 to 12

3. 4. 3. 1.

Experiment no 6(overlap add with index)

enter input seq[1 2 3 4 5 6 7 8 9]

enter lower index impulse h1 seq[0]

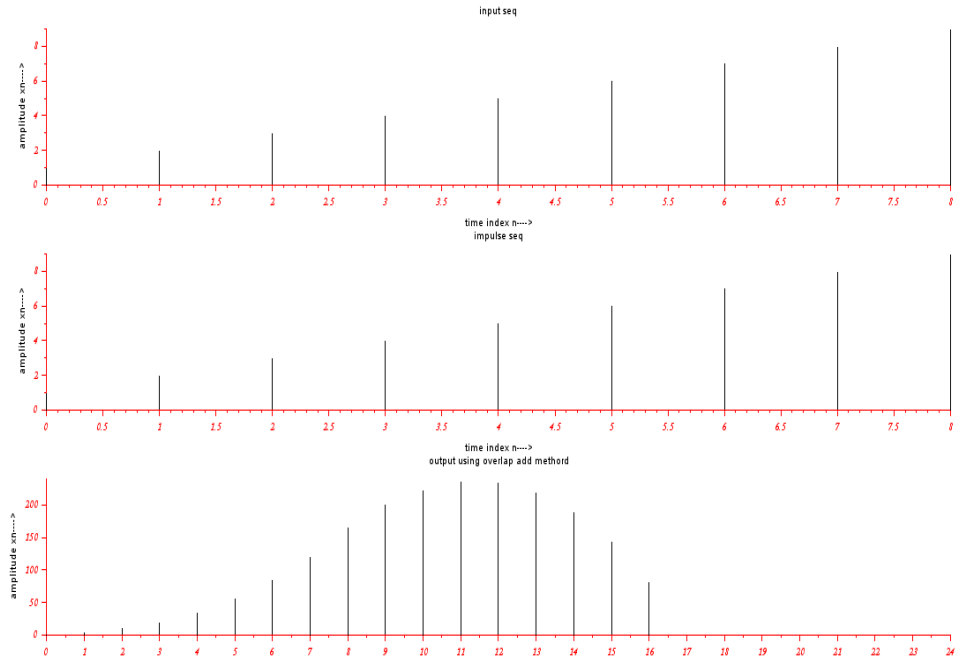
output seq using overlap add method

column 1 to 14

1. 4. 10. 20. 35. 56. 84. 120. 165. 200. 224. 236. 235. 220.

column 15 to 17

190. 144. 81.



Experiment no 7

linearity

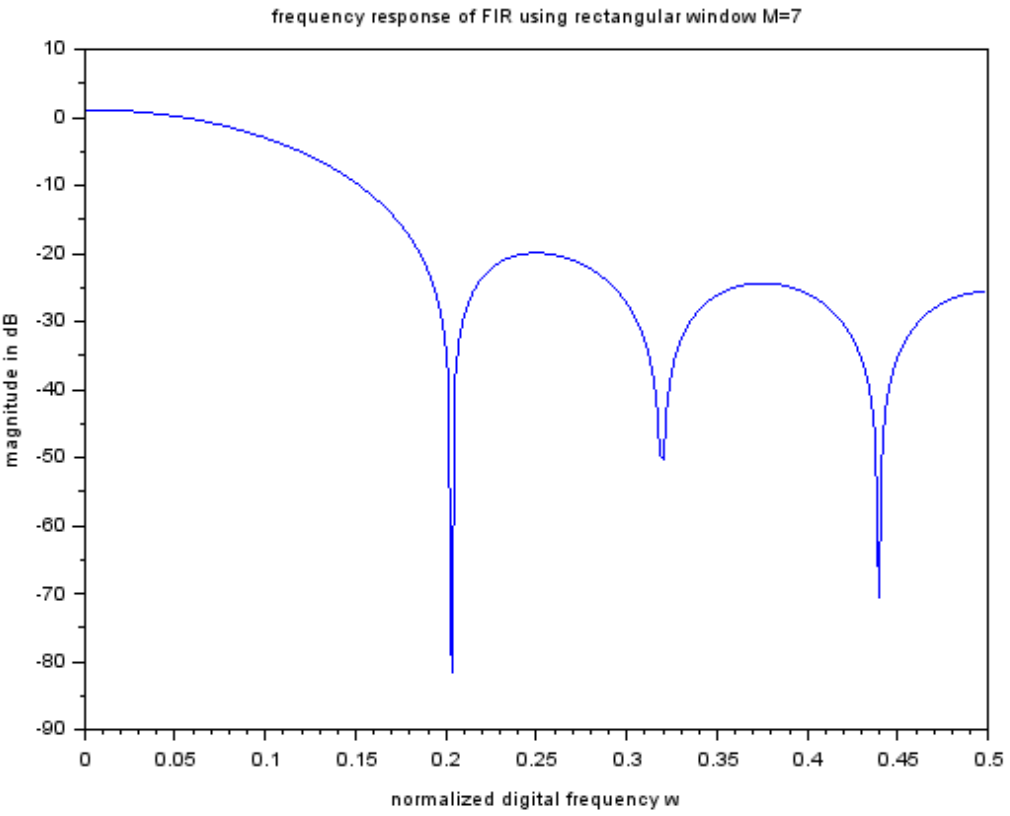
Experiment no 8

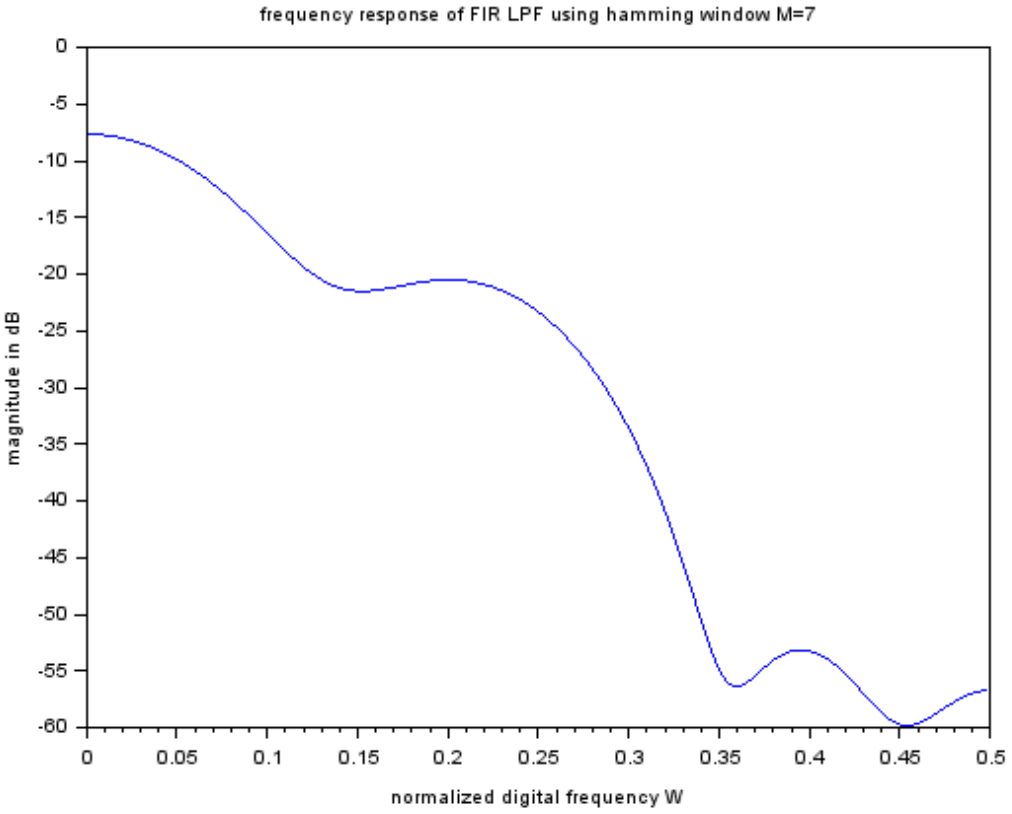
Parsvel

Experiment no 9(FIR PASS)

0.0750264
0.1591549
0.2250791
0.25
0.2250791
0.1591549
0.0750264

filter coefficients are


frequency response of FIR using rectangular window M=7
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
magnitude in dB
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
normalized digital frequency w


frequency response of FIR LPF using hamming window M=7
magnitude in dB
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
normalized digital frequency W