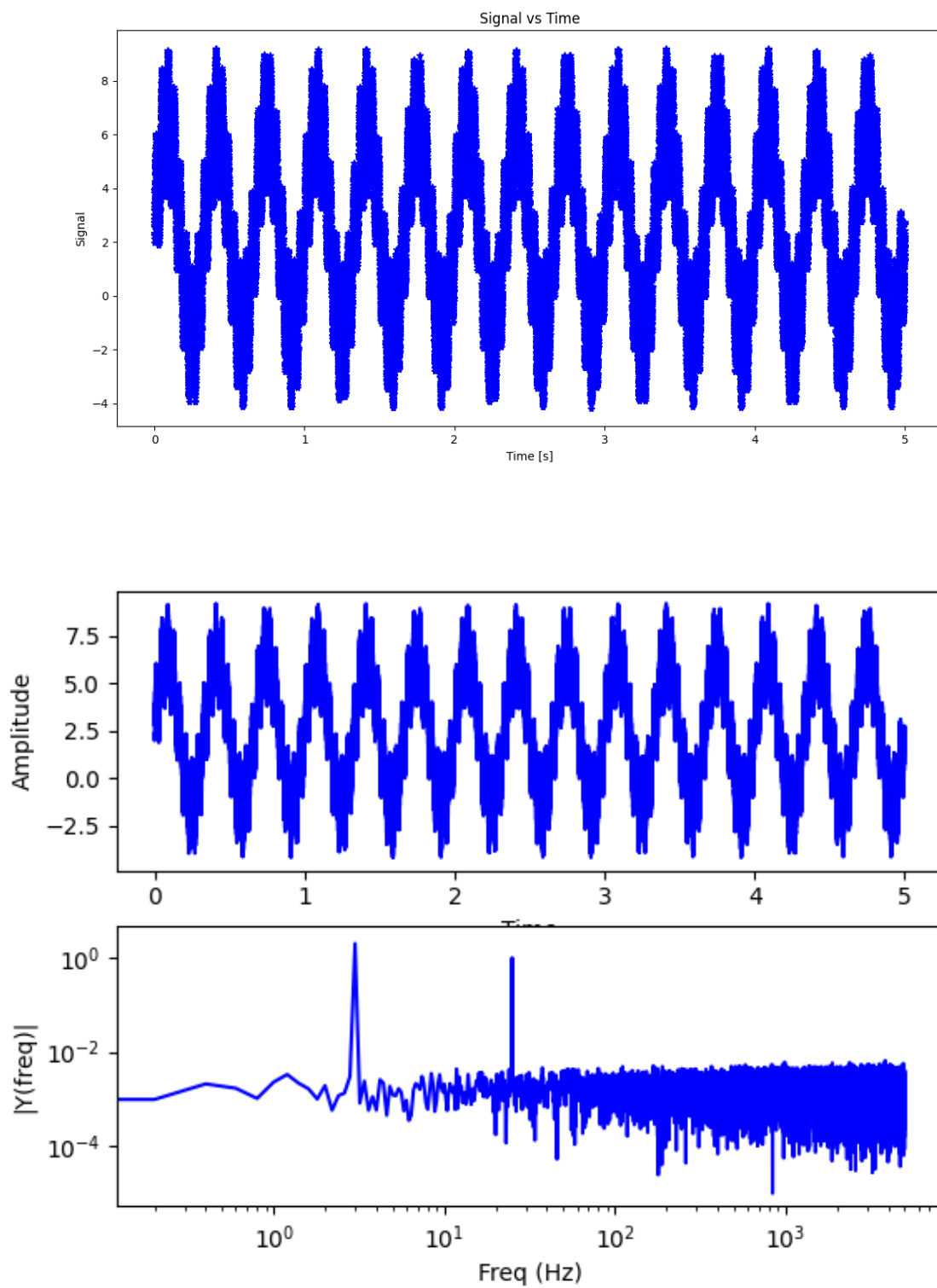
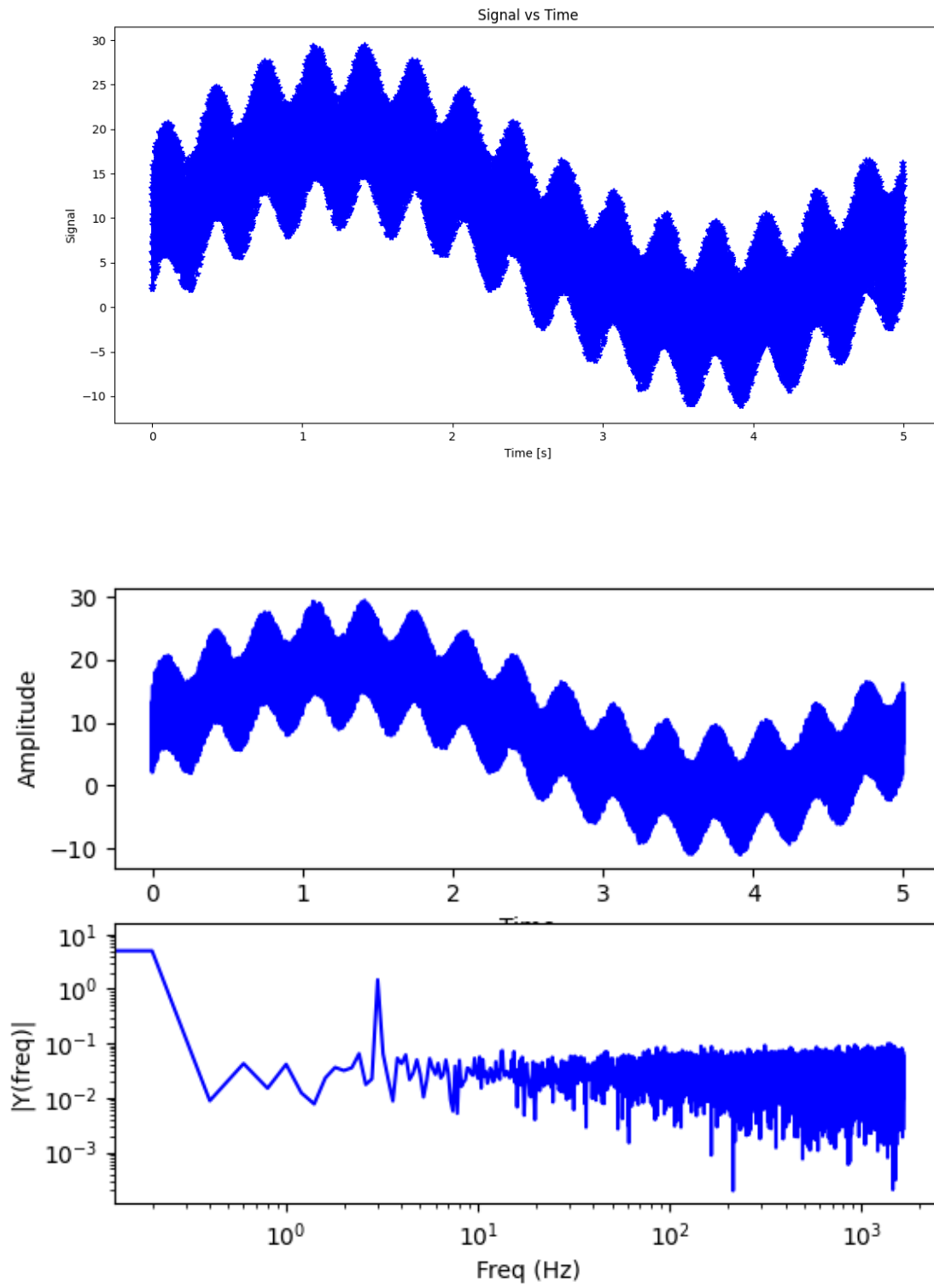


Question 4

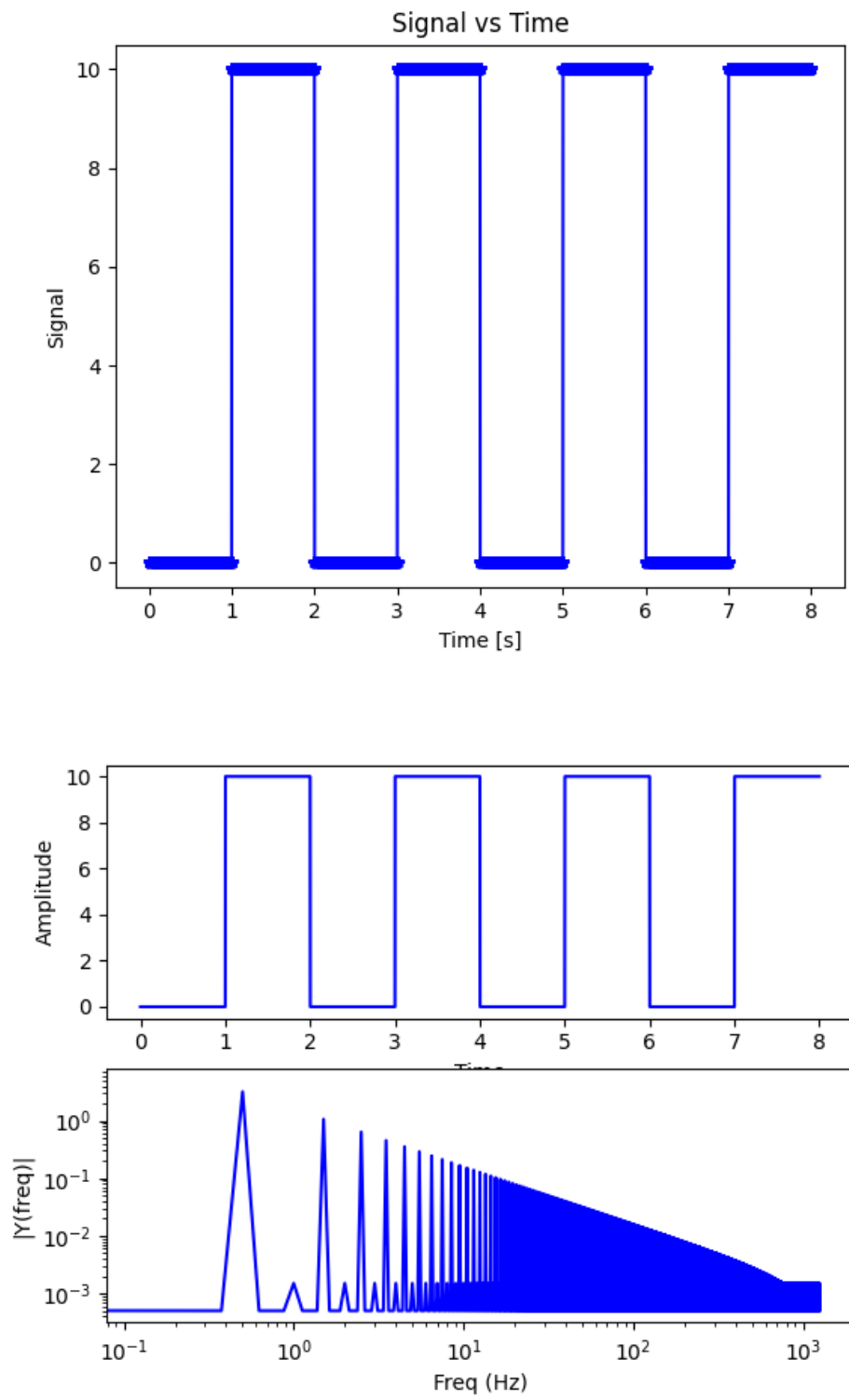
Signal A:



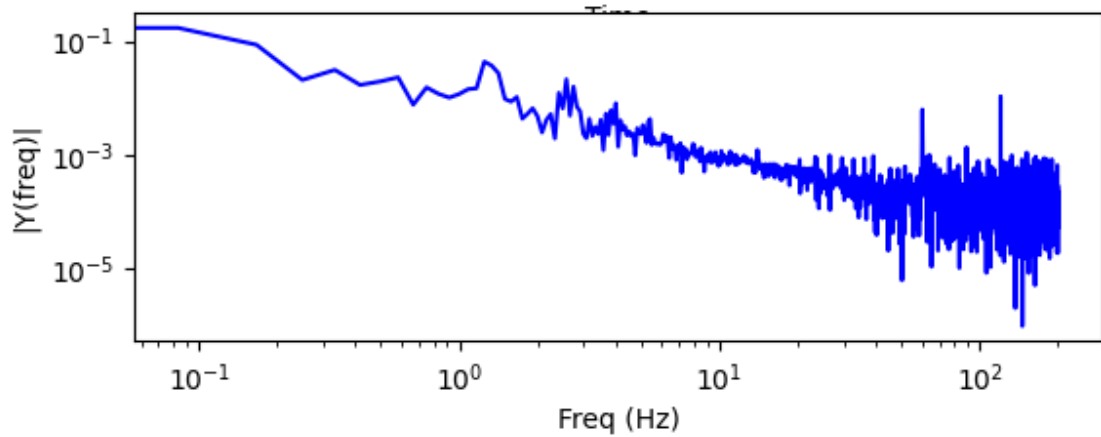
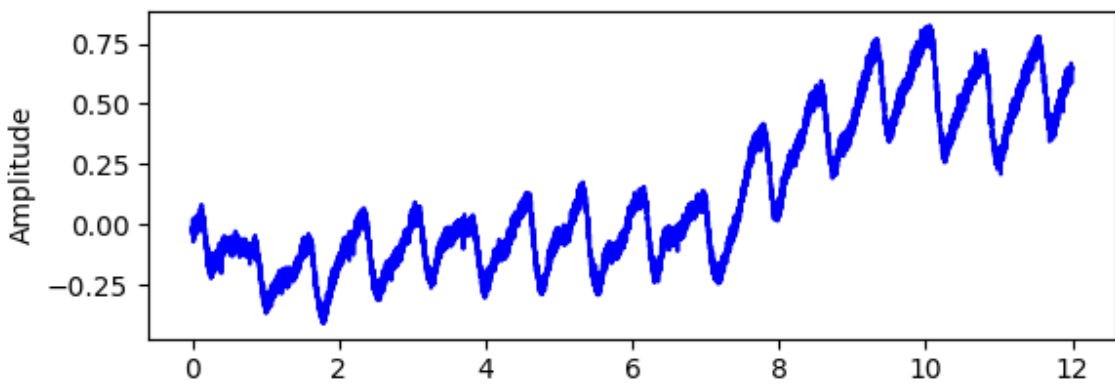
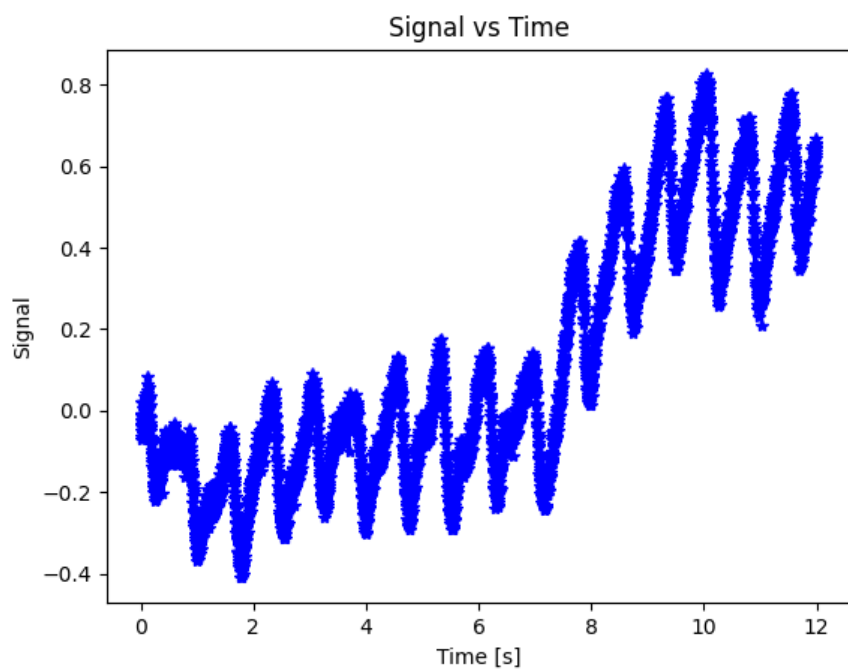
Signal B:



Signal C:



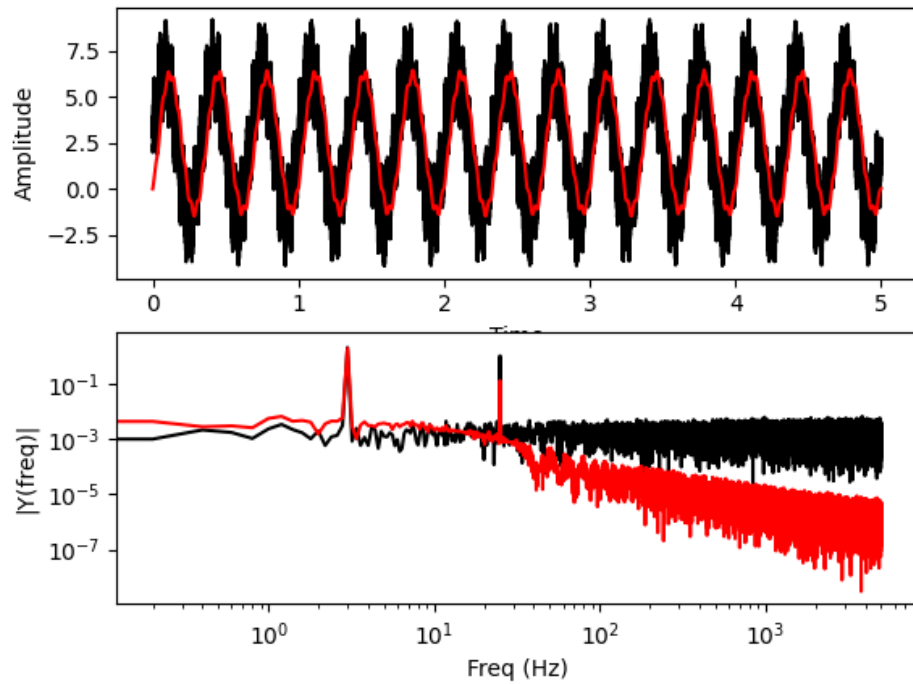
Signal D:



### Question 5

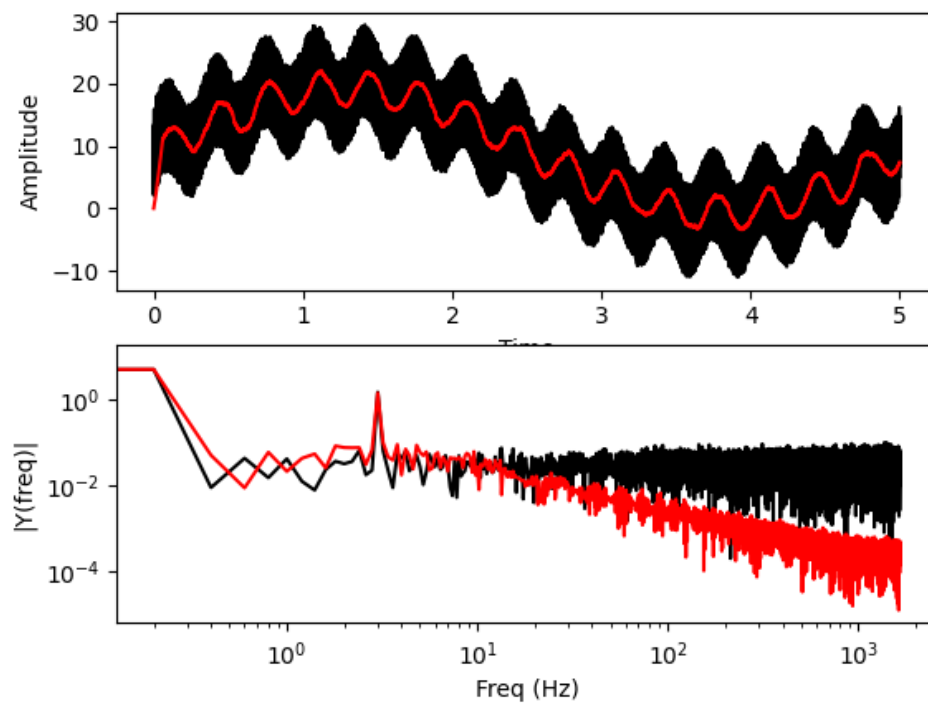
Signal A:

Signal A: Averaging 700 data points



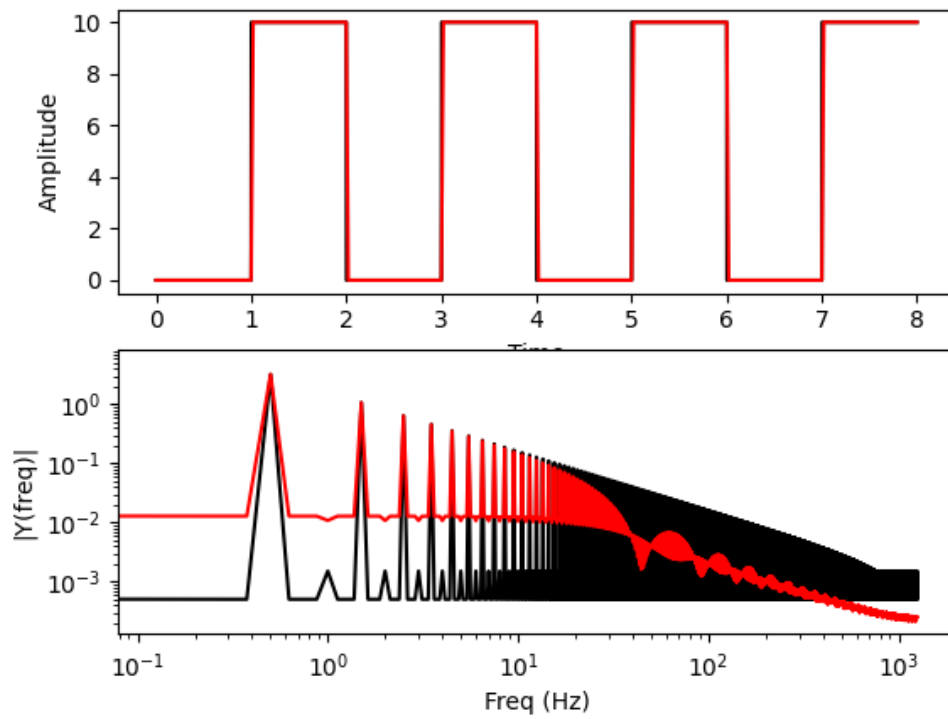
Signal B:

Signal B: Averaging 200 data points



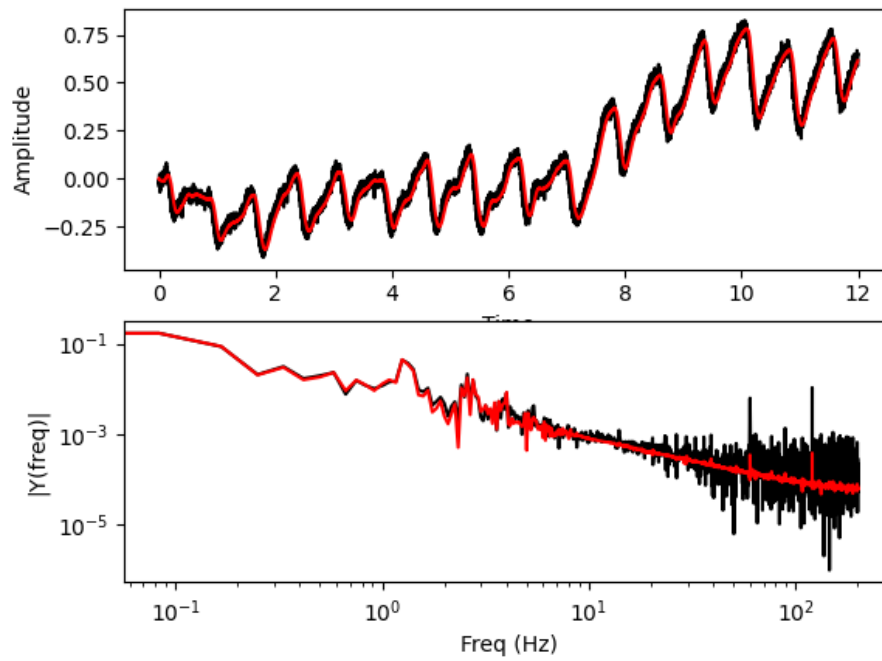
Signal C:

Signal C: Averaging 50 data points



Signal D:

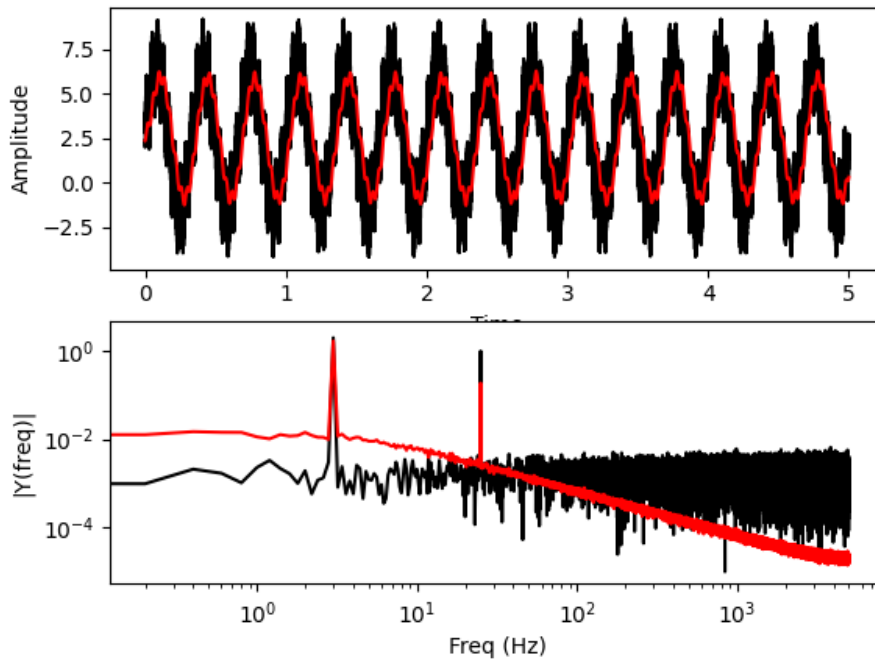
Signal D: Averaging 35 data points



### Question 6

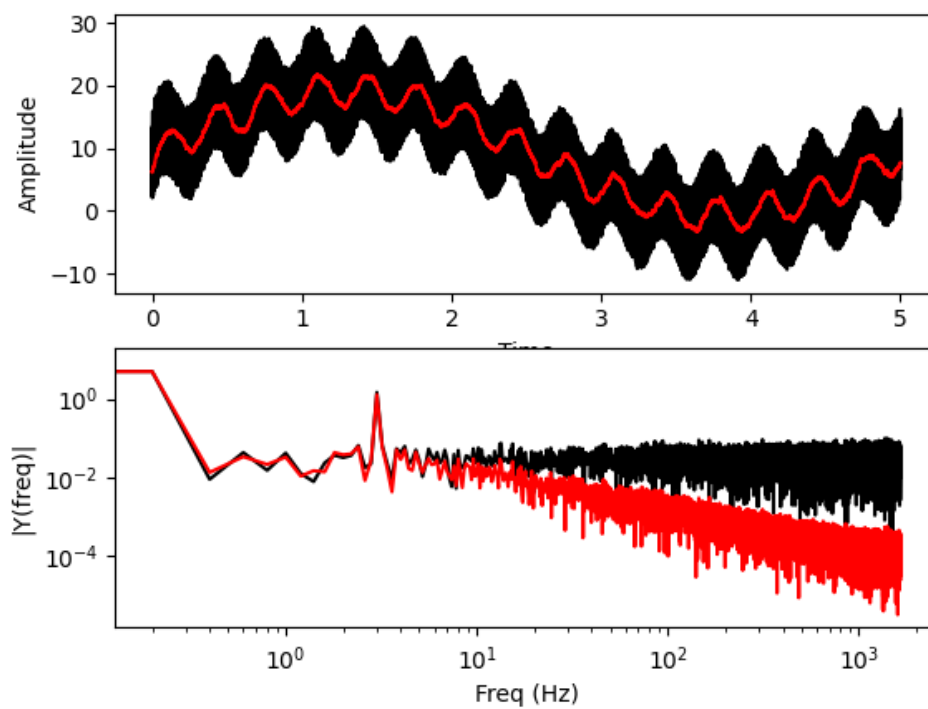
Signal A:

Signal A: With  $A = 0.997$  and  $B = 0.00300000000000000027$



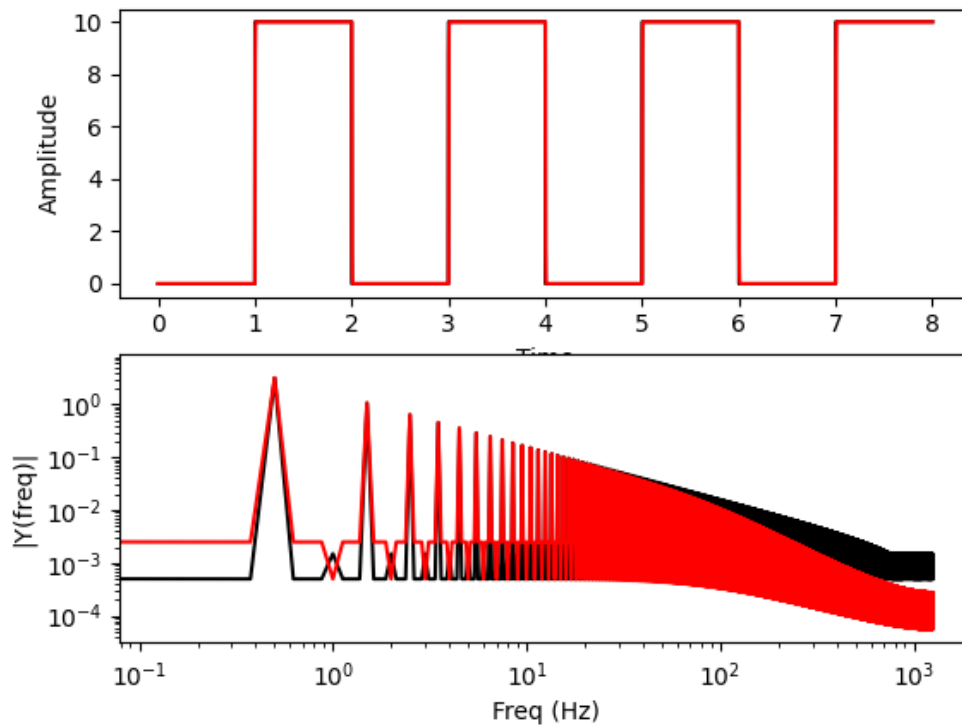
Signal B:

Signal B: With  $A = 0.99$  and  $B = 0.0100000000000000009$



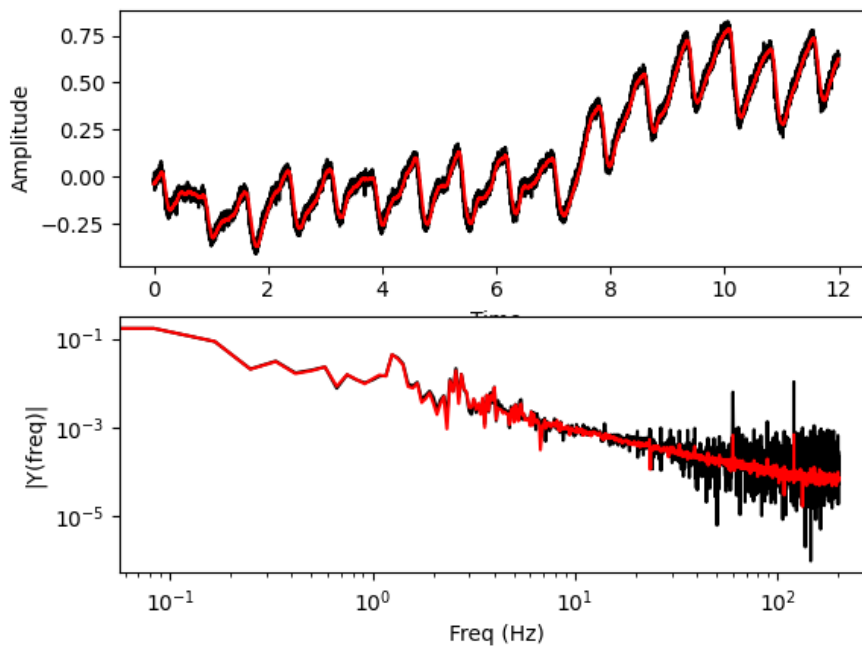
Signal C:

Signal C: With  $A = 0.8$  and  $B = 0.19999999999999996$



Signal D:

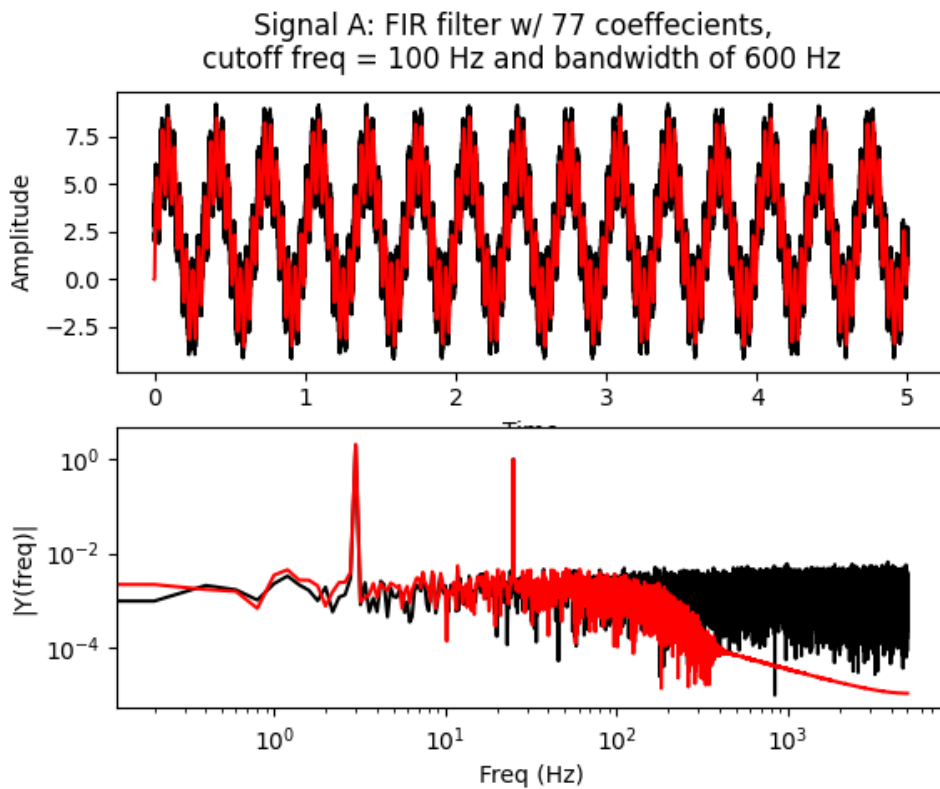
Signal D: With  $A = 0.9$  and  $B = 0.09999999999999998$



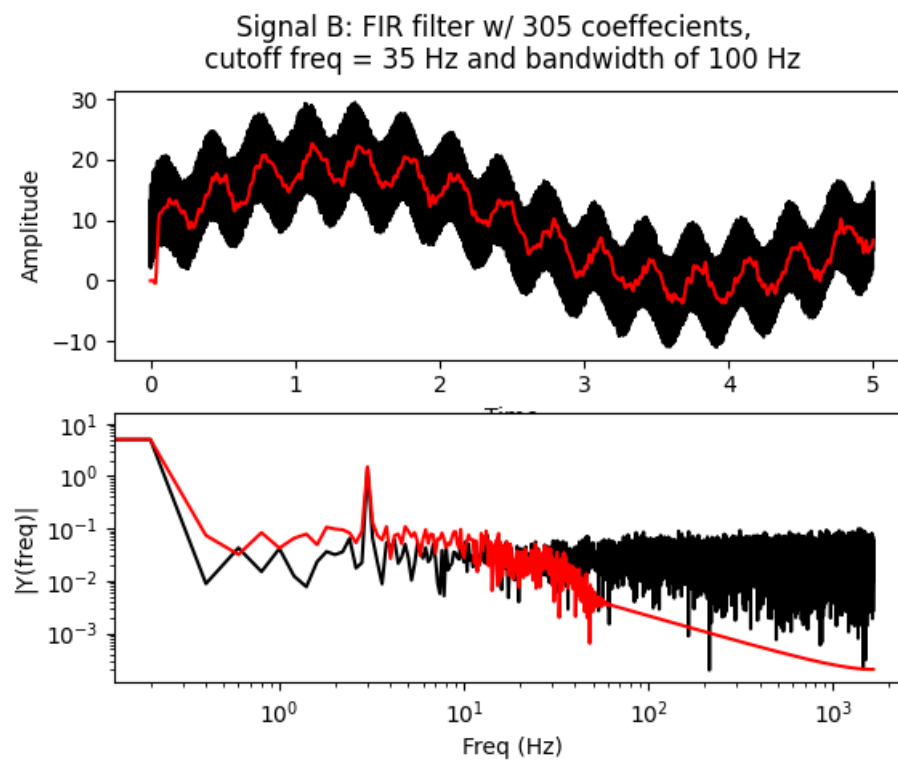


### Question 7

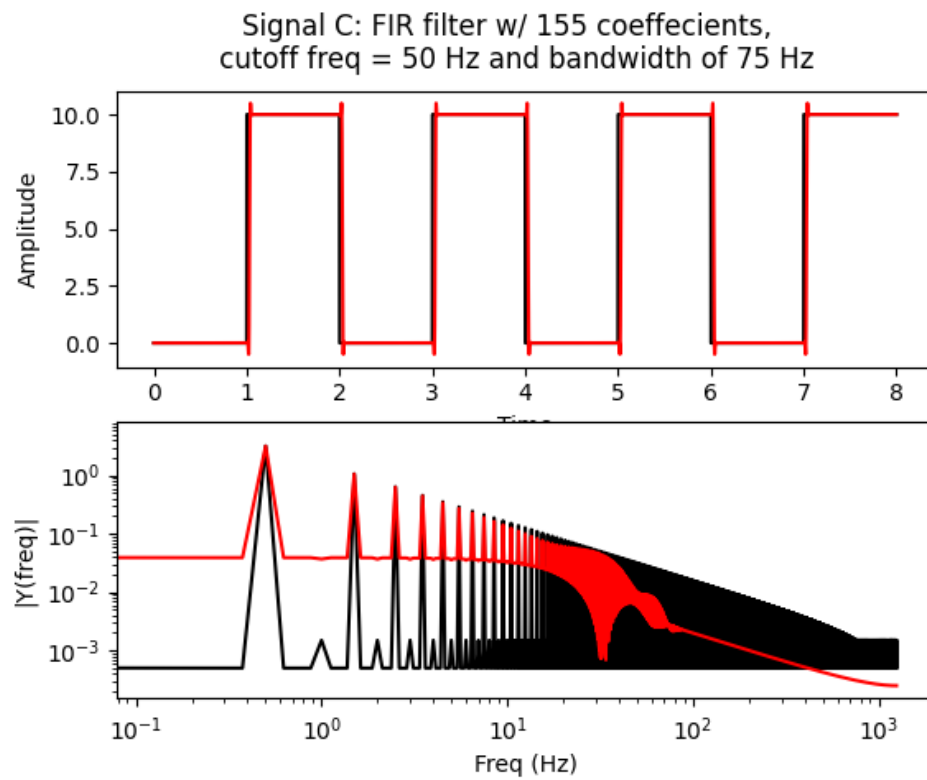
Signal A:



Signal B:



Signal C:



Signal D:

