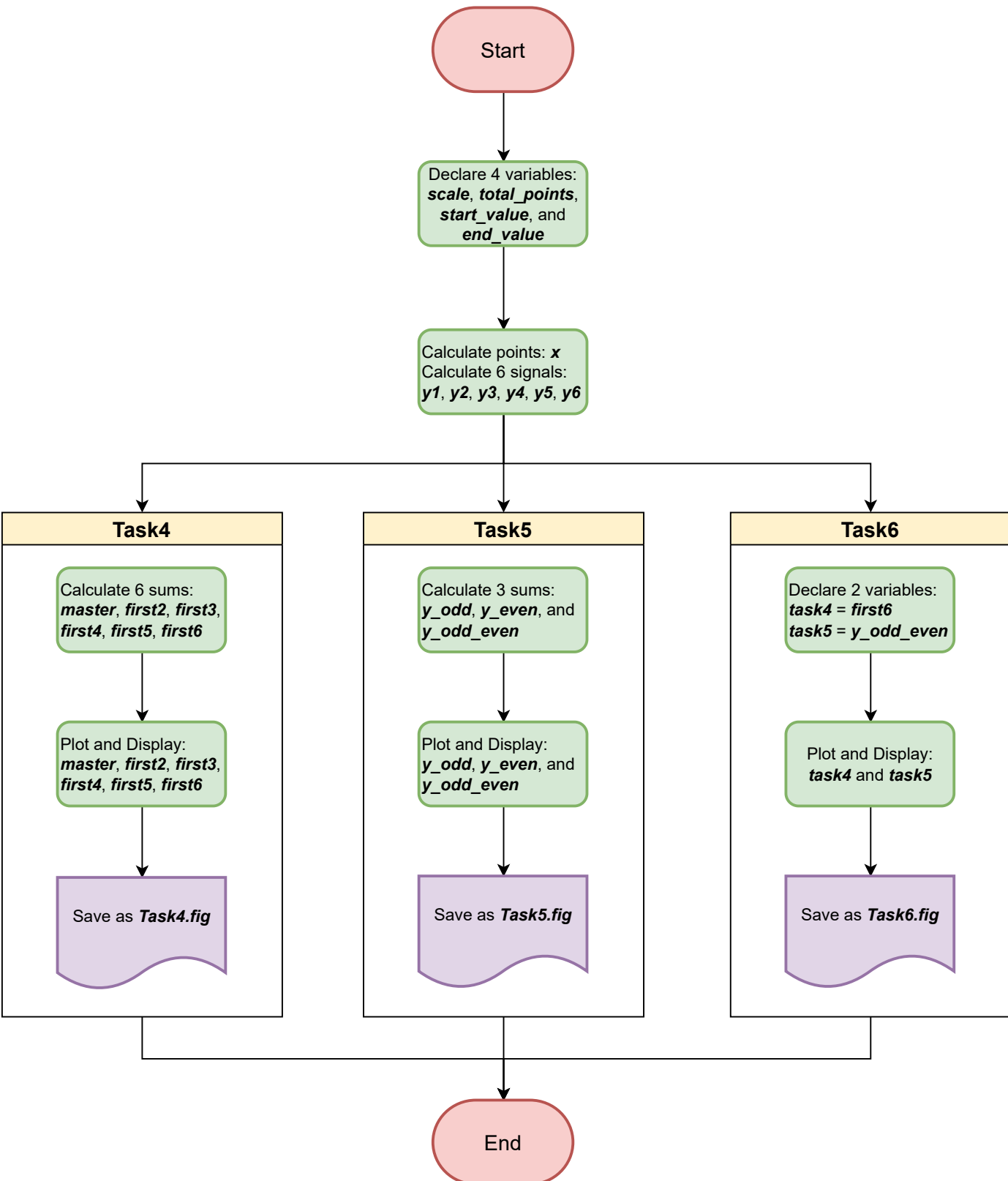
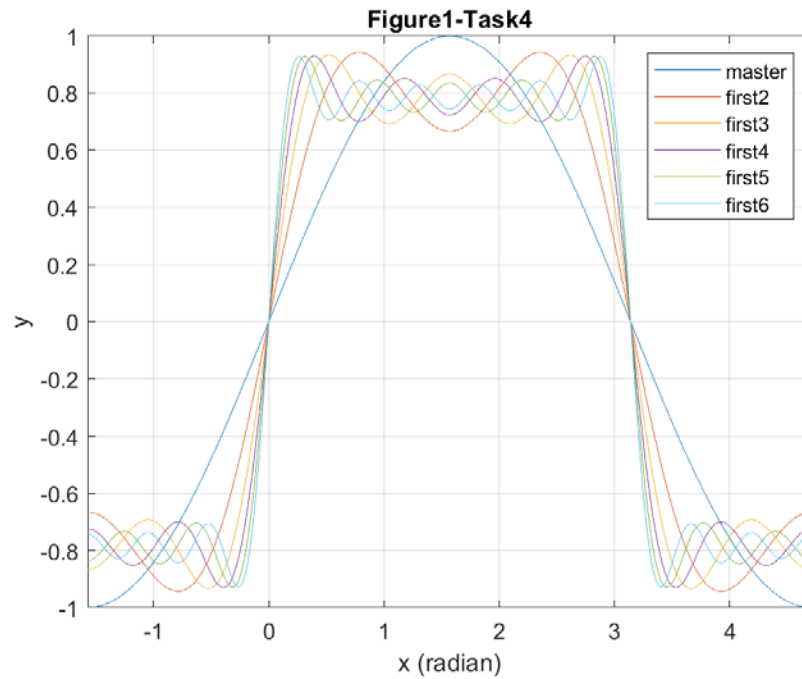


# AESM1511-Assignment1: Flowchart

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**Task4.** By adding additional signals to the original master signal, more local extrema appear in the original master signal. Besides, the function image of original master signal becomes steeper and steeper at  $x = 0$  and  $x = \pi$ . Therefore, 1000 summed signals will become a square signal:  $y = -0.8$ ,  $-\pi/2 \leq x \leq 0$  or  $\pi \leq x \leq 3\pi/2$ ;  $y = 0.8$ ,  $0 < x < \pi$ .



**Task6.** The order of summation doesn't matter in obtaining the final result. But, the order of summation dose matter in obtaining intermediate results!

