IET - DSA Python SMP

Assignment 2

1. Write a recursive function to find the sum of odd elements of a list. The function should take the list and index as the input parameters.
2. Write a recursive function to calculate sum of the digits of a given number. The function should take only the number as input.
3. Given a function defined as below:

F(n) = 3\*F(n-3) -5\*F(n-1)

F(0) = 1

F(1) = 5

F(2) = 2

Given n, find F(n) for every number between 1 to n.