Lab Activities

Task#1 Use recursion to add all of the numbers between 5 to 10.

**Task-2:**

1. Generate the following sequence with recursive approach

1 , 3 , 6 , 10 , 15 , 21 , 28 . . . .

1. Generate the following sequence with recursive approach

0 , 1 , 1 , 2 , 3 , 5 , 8 , 13 , 21 , 34 , 55 , 89 , 144 . . .

Task#2 Write a recursive function that takes to integer as a parameters and finds out all composite and prime number in given range.

Task#3: Write down the program that reverse the string if reverses string and original string is same then it prints the “PALINDROM” otherwise “Not PALINDROM”.

Task#4: Write a recursive method in java that check that given array is sorted or not.

Task#5: Write a program that finds the Subset of targeted sum.

Consider this: The SUBSET-SUM problem involves determining whether or not a subset from a list of integers can sum to a target value. For example, consider the list of nums = [1, 2, 3, 4]. If the target = 7, there are two subsets that achieve this sum: {3, 4} and {1, 2, 4}. If target = 11, there are no solutions.