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Ex.No: 6

Write a Program to copy one String to another using Recursion.

Ex.7

Write a recursive program to implement binary search in a list of integers. Assume that the elements in the list are in ascending order.

Ex.8

Bubble Sort is the simplest sorting algorithm that works by repeatedly swapping the adjacent elements if they are in wrong order. Write a recursive program to arrange the list of elements in ascending order.

Ex. 9

Write program to print a pattern without using recursion. Given a number n, print following a pattern

Examples :

Input: n = 16

Output: 16, 11, 6, 1, -4, 1, 6, 11, 16

Input: n = 10

Output: 10, 5, 0, 5, 10

We basically first reduce 5 one by one until we reach a negative or 0. After we reach 0 or negative, we one add 5 until we reach n.

Ex.10

Write a Recursive Program to print multiplication table of a number. Given a number N, the task is to print its multiplication table using recursion.

Input: N=8

Output:

8*1=8

8*2=16

8*3=24

8*4=32

8*5=40

8*6=48

8*7=56

8*8=64

8*9=72

8*10 = 80