

DAY 17

INTERVIEW BIT PROBLEMS :

1. Add Binary Strings

Given two binary strings, return their sum (also a binary string).

Example:

a = "100"

b = "11"

Return a + b = "111".

CODE :

PYTHON

class Solution:

 # @param A : string

 # @param B : string

 # @return a strings

 def addBinary(self, A, B):

 maxi=max(len(A),len(B))

 A=A.zfill(maxi)

 B=B.zfill(maxi)

 output=''

 carry=0

 for i in range(maxi-1,-1,-1):

 temp=carry

 temp+=1 if A[i]=='1' else 0

 temp+=1 if B[i]=='1' else 0

 output=('1' if temp%2==1 else '0')+output

 carry=0 if temp<2 else 1

 if carry!=0:

 output='1'+output

 return output.zfill(maxi)