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count=0
while True:
    if count>=6:
        exit
    else:
        count=count+1
        start=input('Enter the integers in the order "N", then "P", then "D" seperated by a space:')
        list_=start.split(' ')
        N=list_[0]
        P=list_[1]
        D=list_[2]
        num=[]
        small_num=int(P)
        new_d=int(D)
        for i in N:
            num.append(i)
        letter=int(num[small_num*-1])

        if letter>=0 and letter<=4:
            letter=(letter+new_d) % 10
            count_1=0
            for i in num:
                if count_1==len(num)-small_num:
                    num[count_1]=str(letter)
                if count_1>len(num)-small_num:
                    num[count_1]='0'
                count_1 +=1
            string1=''
            for i in num:
                string1+=i
            print('Your answer is ',string1)
        else:
            #from math import abs
            #print(small_num,new_d,num,letter)
            letter=str(abs(letter-new_d))
            letter=letter[0]
            count_2=0
            for i in num:
                #print(count_2,len(num),small_num)
                if count_2==len(num)-small_num:
                    num[count_2]=letter
                if count_2>len(num)-small_num:
                    num[count_2]='0'
                count_2 +=1
            string2=''
            for i in num:
                string2+=i
            print('Your answere is ',string2)

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