rollno=[]

numb=int(input("Enter the total number of students: \n "))

print("Enter the Roll Numnbers:\n")

for i in range(numb):

rollno.append(int(input()))

length=len(rollno)

for i in range(length):

for j in range(i+1,length):

if rollno[i]>rollno[j]:

temp=rollno[i]

rollno[i]=rollno[j]

rollno[j]=temp

findd=int(input("Enter the roll number to search:\n"))

def ternary(rollno,findd,left,right):

if right>=left:

mid1=int(left+(right-left)/2)

mid2=int(left+2\*(right-left)/2)

if (rollno[mid1]==findd):

return mid1

if rollno[mid2]==findd:

return mid2

if findd<rollno[mid1]:

return(ternary(rollno,findd,left,mid1-1))

elif findd >rollno[mid2]:

return(ternary(rollno,findd,mid2+1,right))

else: return(ternary(rollno,findd,mid1+1,mid2-1))

return 0

left=0

right=length-1

indexx=ternary(rollno,findd,left,right)

if indexx!=0:

print("\n\n\nMatch Found!!!")

else:print("\n\nMatch not found!!!")

