//

#include <stdio.h>

struct Date{

int day;

int month;

int year;

};

int compareDates(struct Date date1, struct Date date2)

{

if(date1.year<date2.year)

{

return -1;

}

else if(date1.year>date2.year)

{

return 1;

}

else{

if(date1.month<date2.month)

{

return -1;

}

else if(date1.month>date2.month)

{

return 1;

}

else

{

if(date1.day<date2.day)

{

return -1;

}

else if(date1.day>date2.day)

{

return 1;

}

else

{

return 0;

}

}

}

}

int main()

{

int n,res[n],i;

printf("Enter the number of number:");

scanf("%d",&n);

struct Date date1,date2;

for(i=0;i<n;i++)

{

printf("Enter the first date (day month year):");

scanf("%d%d%d",&date1.day,&date1.month,&date1.year);

printf("Enter the second date (day month year):");

scanf("%d%d%d",&date2.day,&date2.month,&date2.year);

res[i]=compareDates(date1,date2);

}

for(i=0;i<n;i++)

{

if(res[i]>0)

{

printf("Date 1 is later than Date 2");

}

else if(res[i]<0)

{

printf("\n Date 1 is earlier than Date 2");

}

else

{

printf("Date 1 is equal to Date 2");

}

}

return 0;

}

//Anagram string

#include<stdio.h>

#include<string.h>

int areAnagram( char\* word1, char\* word2)

{

int len1=strlen(word1);

int len2=strlen(word2);

if(len1!=len2);

return 0;

for(int i=0;i<len1;i++)

{

for(int j=i+1;j<len1;i++)

{

if(word1[i]>word1[j])

{

char temp= word1[i];

word1[i]=word1[j];

word1[j]=temp;

}

if(word2[i]>word2[j])

{

char temp= word2[i];

word2[i]=word2[j];

word2[j]=temp;

}

}

}

return strcmp(word1,word2)==0;

}

int main()

{

char words[1000];

printf("Enter a string of words(seperated by space:");

fgets(words,sizeof(words),stdin);

char\* token=strtok(words,"\n");

char wordlist[100][10];

int n=0;

while(token!=NULL && n<100)

{

strcpy(wordlist[n],token);

token=strtok(NULL,"\n");

n++;

}

for(int i=0;i<n-1;i++)

{

for(int j=i+1;j<n;j++)

{

if(areAnagram(wordlist[i],wordlist[j]))

{

printf("%s and %s are anagrams.\n",wordlist[i],wordlist[j]);

}

}

}

}