Ques 1: The Perfect Arrangement

Information about customers is stored in the *CUSTOMER* table. Write a query to print the *ID, FIRST_NAME*, and *LAST_NAMEs* of the customers whose combined name length, i.e., the sum of the length of the *FIRST_NAME* and *LAST_NAME*, is less than *12*. The *IDs* and names should be printed in the ascending order of the combined name length. If two or more customers have the same combined name length, sort the result in lexicographical order of the full names *(FIRST_NAME + LAST_NAME* without a space between, and ignoring case). If two or more customers have the same full name, sort those results by *ID*, ascending.

Input Format

CUSTOMER			
Name	**Type**	**Description**	
ID	Integer	A customer ID in the inclusive range *[1, 1000]*. This field is the primary key.	
FIRST_NAME	String	First name of the customer. This field contains between *1* and *100* characters (inclusive).	
LAST_NAME	String	Last name of the customer. This field contains between *1* and *100* characters (inclusive).	
COUNTRY	String	The country of the customer.	
CREDIT_LIMIT	Float	The credit limit of the customer.	

Output Format

The result should contain the *ID, FIRST_NAME*, and *LAST_NAME* of the customers whose combined name length, i.e., the sum of the length of the *FIRST_NAME* and *LAST_NAME*, is less than *12*. The *IDs* and names should be printed in the ascending order of the combined name length. If two or more customers have the same combined name length, then sort the result in lexicographical order by full name. If two or more customers have the same full name, sort the result by ascending order by *ID*.

CUSTOMER.ID CUSTOMER.FIRST_NAME CUSTOMER.LAST_NAME

Sample Input

CUSTOMER				
ID	**FIRST_NAME**	**LAST_NAME**	**COUNTRY**	**CREDIT_LIMIT**
1	Frances	White	USA	200350.54

2	Carolyn	Bradley	UK	15354.23
3	Annie	Fernandez	France	359200.67
4	Ruth	Hanson	Albania	1060.57
5	Paula	Fuller	USA	14789.00
6	Bonnie	Johnston	China	100243.35
7	Ruth	Gutierrez	USA	998999.20
8	Ernest	Thomas	Canada	500500.23
9	Joe	Garza	UK	18782.44
10	Anne	Harris	USA	158367.00

Sample Output

9 Joe Garza

10 Anne Harris

4 Ruth Hanson

5 Puala Fuller

Explanation
- The combined length of the name *Frances White* is *12*, which is not less than *12*.
- The combined length of the name *Carolyn Bradley* is *14*, which is not less than *12*.
- The combined length of the name *Annie Fernandez* is *14*, which is not less than *12*.
- The combined length of the name *Ruth Hanson* is *10*, which is less than *12*.
- Similar analysis is performed on the remaining records.

So, *Ruth Hanson, Paula Fuller, Joe Garza,* and *Anne Harris* have combined name lengths of less than *12*. They are arranged by combined name lengths in ascending order as shown below. Since the combined name lengths of *Ruth Hanson* and *Anne Harris* are *10* each, they are arranged lexicographically:

Joe Garza > Anne Harris > Ruth Hanson > Paula Fuller sorted on joegarza>anneharris>ruthhanson>paulafuller

Ques 2:Scoring System

The math scores of each student have been stored in the *STUDENT* table. Write a query to print the *ID* and the *NAME* of each of the three highest scoring students. Print the *NAMEs* in descending order by *SCORE*, then ascending order by *ID* for matching *SCOREs*.

Input Format

STUDENT			
Name	**Type**	**Description**	
ID	Integer	A student ID in the inclusive range *[1, 1000]*. This field is the primary key.	
NAME	String	A student name. This field contains between *1* and *100* characters (inclusive).	
SCORE	Float	The Math score of the student.	

Output Format

The result should contain the *IDs* and the *NAMEs* of the three highest scoring students. Print the records in descending order by *SCORE*, then ascending order by *ID* for matching *SCOREs*.

STUDENT.ID STUDENT.NAME

Sample Input

STUDENT			
ID	**NAME**	**SCORE**	
1	Bob	50	
2	John	65.5	
3	Harry	45	
4	Dick	85	
5	Dev	25	
6	Sid	98	
7	Tom	90	
8	Julia	70.5	
9	Erica	81	
10	Jerry	85	

Sample Output

6 Sid

7 Tom

4 Dick

Explanation

The students are arranged in the descending order of their math scores, followed by the ascending order of their ids, as shown below:

Sid > Tom > Dick > Jerry > Erica > Julia > John > Bob > Harry > Dev

Dick's and Jerry's scores were the same, so they are shown in ID order.