College of Engineering and Management, Kolaghat
Object Technology Laboratory, (5th Semester, IT)

1. Create a 2-D array that will store the following data:

COUNTRY	CITY
USA	New York, Washington DC, Chicago, Boston
SOUTH AFRICA	Cape Town, Port Elizabeth, Johannesburg
ENGLAND	London, Glasgow, Liverpool
FRANCE	Paris
INDIA	New Delhi, Mumbai, Kolkata, Chennai

    a. Write a JAVA program to take country as user input and display corresponding cities and vice versa. For wrong input, display "NO SUCH COUNTRY!!!" or "NO SUCH CITY!!!"
    b. Store all the cities in another 1-D array in alphabetical

order 2. Create a class called **Student** with the following:

    a. Instance variables – name, rollno, marks; use wrapper class to declare them
    b. A three-argument constructor
    c. A method to display the **Student** detail

Write a JAVA program to create an array of four **Student** objects and sort the array according to their marks in descending order *using a method that will take the array reference as argument*.

3. Write a program in JAVA to accept the name of several fruits in command line and store them in a Vector. Now perform the following:

    a. Add another fruit at the end
    b. Insert another fruit at a specified location
    c. Remove a fruit from a specified location
    d. Copy all the elements of the Vector into an array
    e. Display the contents of the array