**Java Lab exercise - Day 3**

1. Write a Java program to convert all the characters in a string to lowercase.
2. Write a Java program to replace all the 'd' occurrence characters with ‘h’ characters in each string.
3. write a Java program to sort an integer array of 10 elements in ascending.
4. write a Java program to search for an element of an integer array of 10 elements.
5. Accept a string, and two indices(integers), and print the substring consisting of all characters inclusive range from ..to .

**Sample Input**

Helloworld

3 7

**Sample Output**

Lowo

1. Given a string , print ‘Yes’ if it is a palindrome, print ‘No’ otherwise.

**Sample Input**

madam

**Sample Output**

Yes

1. Write a program to find the given string is pangram or not.

(Hint: Pangrams are words or sentences containing every letter of the alphabet at least once)

**Sample Input**

The quick brown fox jumps over the lazy dog sp.

**Sample Output:**

Pangram

1. Write a program to read a string and return a modified string based on the following rules.

Return the String without the first 2 characters except when

* 1. Keep the first char if it is 'k'
  2. Keep the second char if it is 'b'.

Create a class UserMainCode with a static method getString which accepts a string and the return type (string) should be the modified string based on the above rules. Consider all letters in the input to be small case.

**Input and Output Format:**

Input consists of a string with maximum size of 100 characters.

Output consists of a string.

**Sample Input 1:**

hello

**Sample Output 1:**

llo

**Sample Input 2:**

kava

**Sample Output 2:**

kva

1. Write a program to read a string and a character, and reverse the string and convert it in a format such that each character is separated by the given character. Print the final string.

Create a class UserMainCode with a static method reshape which accepts a string and a character. The return type (String) should return the final string.

Create a Class Main which would be used to accept a string and a character, and call the static method present in UserMainCode.

**Input and Output Format:**

Input consists of a string and a character.

Output consists of a string (the final string).

**Sample Input:**

Rabbit

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**Sample Output:**

t-i-b-b-a-R

1. I have created a class Calculator inside a package name com.hcl

package com.hcl;

public class Calculator {

public int add(int a, int b){

return a+b;

}

}

how to use add method from another package.