CSE18R272-LAB MANUAL

KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION

COMPUTER SCIENCE AND EDUCATION

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Course Name : Java Programming

Course Code : CSE18R272

Section : A5

**Write a Java program to sort a list of names in ascending order.**

import java.io.\*;

public class MyClass {

public static void main(String args[]) throws IOException {

int n=5,i,j;

String temp;

String name[]=new String[5];

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

for(i=0;i<5;i++)

name[i]=br.readLine();

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

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

if(name[i].compareTo(name[j])>0)

{

temp=name[i];

name[i]=name[j];

name[j]=temp;

}

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

System.out.println(name[i]);

}

}

***OUTPUT:***

Pavi

Pragna

Praveen

Chinna

leena

chinna

leena

pragna

praveen

pavi

**Write a Java program to concatenate a given string with itself of a given number of times.**

import java.io.\*;

public class MyClass {

public static void main(String args[]) throws IOException {

int n,i;

String given;

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

given=br.readLine();

n=Integer.parseInt(br.readLine());

String s=" ";

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

s+=given;

System.out.println("concantenated string is "+s);

}

}

***OUTPUT:***

hello

2

concantenated string is hellohellohello

**Write a Java program to counts occurrences of a certain character in a given string.**

import java.io.\*;

public class MyClass {

public static void main(String args[]) throws IOException {

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

int count=0,i;

char ch;

String str=br.readLine();

ch=br.readLine().charAt(0);

for(i=0;i<str.length();i++)

if(str.charAt(i)==ch)

count++;

System.out.println("Total occurences of "+ch+" is"+count);

}

}

***OUTPUT***

This is Java Programming

i

Total occurences of i is3

**Write a Java program that reads a file and displays the file on the screen, with a line number before each line.**

import java.io.\*;

public class MyClass {

public static void main(String args[]) throws IOException {

FileWriter fw=new FileWriter("test.txt");

//BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

String str;

for(int i=0;i<args.length;i++)

fw.write(args[i]+"\n");

int lno=1;

fw.close();

FileReader fr=new FileReader("test.txt");

int ch;

System.out.print(lno+" : ");

while((ch=fr.read())!=-1)

{

if(ch=='\n')

{

System.out.print((char)ch);

System.out.print(++lno+" : ");

}

else

System.out.print((char)ch);

}

fr.close();

}

}

***OUTPUT:***

1 : hello

2 : world

3 :