**JAVA PROGRAM 1:**

**Write a program to find two lines with max characters in descending order.**

package com.longest.lines;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.io.IOException;

import java.util.Comparator;

import java.util.Set;

import java.util.TreeSet;

public class Main {

    public static void main(String[] args) {

        BufferedReader br = null;

        String filePath = args[0];

        int topList = 0;

        Set<Entries> liSet = new TreeSet<Entries>(new MyComp());

        try {

            br = new BufferedReader(new FileReader(new File(filePath)));

            String line = br.readLine();

            topList = Integer.parseInt(line.trim());

            while((line = br.readLine()) != null){

                line = line.trim();

                if(!"".equals(line)){

                    liSet.add(new Entries(line.length(), line));

                }

            }

            int count = 0;

            for(Entries ent:liSet){

                System.out.println(ent.line);

                if(++count == topList){

                    break;

                }

            }

        } catch (FileNotFoundException e) {

            // TODO Auto-generated catch block

            e.printStackTrace();

        } catch (IOException e) {

            // TODO Auto-generated catch block

            e.printStackTrace();

        }

    }

    public static class Entries{

        Integer length;

        String line;

        public Entries(Integer l,String line){

            length = l;

            this.line = line;

        }

    }

    public static class MyComp implements Comparator<Entries>{

        @Override

        public int compare(Entries e1, Entries e2) {

            if(e2.length > e1.length){

                return 1;

            } else {

                return -1;

            }

        }

    }

}

**OUTPUT:**

