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Class: TE CSE Batch:

**Title: -** Write a program to read a text file one line at a time. Read each line as a String and place that String object into a LinkedList. Print all of the lines in the LinkedList in reverse order.

**Program: -**

import java.io.\*;  
import java.util.LinkedList;  
public class Linkedlist  
{   
 public static void main(String args[])   
 {   
 LinkedList linkedlist = new LinkedList();  
 LinkedList revLinkedList = new LinkedList();  
 try   
 {   
 File file=new File("text.txt"); //creates a new file instance  
 FileReader fr=new FileReader(file); //reads the file   
 BufferedReader br=new BufferedReader(fr); //creates a buffering character input stream   
 StringBuffer sb=new StringBuffer(); //constructs a string buffer with no characters   
 String line;   
   
 while((line=br.readLine())!=null)   
 {   
 sb.append(line);  
 linkedlist.add(line);  
 //appends line to string buffer   
 sb.append("\n"); //line feed   
 }   
 fr.close(); //closes the stream and release the resources   
 //System.out.println("Contents of File: ");   
 //System.out.println(sb.toString()); //returns a string that textually represents the object   
 System.out.print("Elements before reversing: " + linkedlist);  
 for (int i = linkedlist.size() - 1; i >= 0; i--) {  
 // Append the elements in reverse order   
 revLinkedList.add(linkedlist.get(i));  
 }  
 System.out.print("\n\nElements after reversing: " + revLinkedList);  
   
 } catch(IOException e) {   
 e.printStackTrace();   
 }   
 }   
}

**Output: -**

