Axxignment -11				
to this was a second of the state of the second of the sec				
Title - Interface and Packages.				
. The state of the				
Problem Statement -				
white a JAVA frogram which demonstrates.				
interfaces and kackages. In this assignment,				
was of customized interfaces and frankages for				
afrecific afficiation are expected.				
the second of				
Objective -				
To be able to implement interfaces in JAVA.				
To be able to implement interfaces in JAVA. To use frackages for different applications.				
1 about which				
S/W & H/W Requirement - state to which				
64 bit Fedora Edital IDE, Intel 15 Processor				
Keyboard, Monitor & Calabor & Calabor				
The time I want to the same of				
Theory-				
Interface -				
An interface is a bluefrint of a class.				
It has static ronatants and aleatract methods				
and no method body.				
E.g-				
Youblic interface SLL &				
feublic void addnote (-data);				
frublic void deletenade (data);				
fublic void dixplay ();				
3 Jan Milliam & william				
Scanned with CamScanner				

A JAVA frackage is a group of similar type of classes, interfaces and packages. They have properties. · contains classes / interfaces. · Provide access information · stored in hierarchial manner and imparteducing maing keyword "import". · Provides maintainability and avoids conflict. Proceedo code -- which the frackage Definition; import Declaration. Interface; import java. etil. Deanner; class node { faullic int data; faublic node nest; node () { data = 0; 3 node (int d) {

data = d; nest = NULL; 3 or not known freshold in it weeken in the feublic class SIL implements Interface node head; ille to the more node fail; int xize; SLL CD () head = null; Jail = null; dize = 0; feublic void insert (ient 2) {
node tempe = new node (x);

```
relate f tail. neset = temps;
     e stail = temps;
    return aire;
public int exempty () &
  if (head == null)
      return 1;
freiblic void display () {
  if ( head = = null)
     dystem. out-fraintln (" Liet is Empety!"
 node tempe = head;
 while (temps = NULL) { 1000
   Byalem. out. frint (+ tempe. data + "->
  tempe = tempe. neset;
```

```
feullie void delete (int 2) ?
 int flag = 0;
  if ( head. data = = se) {
      node tempe = head;
      head = head neset;
       tempe = neill;
       edystem. gc();
       node &= head; node q= head;
        while ( p. data ! = 21) {
           -q = fe;) sice - hors tone some
           fe = fr. reset;
           if l fr == null) {
            flag = 1; the said the side of
           break;
  cif (flag == 1)
      idyalem. out. frientln ("Data not found!!");
      aire --;
     g. nesit = fe. nesit;
      p=null;
      taken as mit + ) hours has a dayed
```

	Test cases -			
	Vade	Expected OIP 1234	Arteral 01P	
1.		1234	Buccess	
	123		The major that we	
,			A A	
2.	Remove 2	134	decress	
	-			
3.	idize of lixt	3	Lucies	
4.	Diefelay List	1 3 4	Luces	
	1 0			
	Conclusion -			
-				
	TAVA and successfully implemented the same.			
-			- 20 300	