	T to involument Stack-
1	Two ways to implement Stack - Using Away Using Linked List
2.	Using Linked List
1.	Using Array.
	1 0116
	class Stack {     static final int MAX = 1000;
	int top; int a[] = new int [MAX]; // max size of array.
	boolean is Empty () {
	return (top < 0);
	Stack() §
	top=-1;
	?
	boolean push (int x) $\frac{1}{2}$ if $\frac{1}{2}$
	$if (top > = (MAX - 1))$ {
	System-out-println ("Stack Overflow");
	return false; pre-increment;  } top = tep + 1;
	else ? Her a[top] = x;
	Γ. + 7 - · ·
	System out println (x + "pushed into stack");
	System out println (x + "pushed into stack"); setun true;
	3
	4
	int pop() {
	if (top < 0) {  1
	System out println ("Stack Underflow");
100	return 0;
	Coopped with ComCoopper

2.	Using Linked List.
	11. 1 01 10
-	public class Stuck {
-	Stack Node root;
-	static class StackNode {
-	int data;
-	StackNode next:
	StackNode (int data) {
	this data = data; )  inext = null)
	3
	public lookan is Empty (18
	public boolean is Empty() {  if (soot = = null) {  return true;
	return toue:
	3
	else
	return false;
	3
	public void push (int data) ?
	Stack Node new Node = new Stack Node (data);
	if (root == null) {
	root = newNode;
Aleka a	3
	else 3
	StackNode temp = root;
	root = newNode;
	noot new Node next = temp;
	<u>s</u>
	System out-println (data + " pushed to stack");
	3