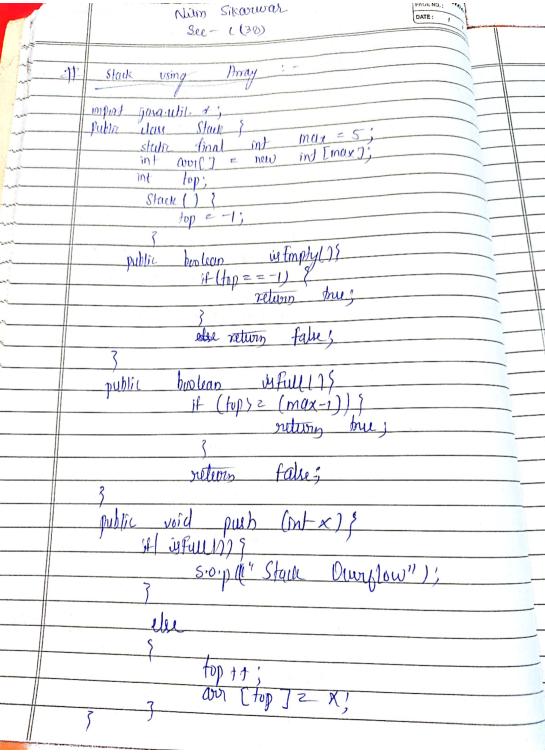
Sec - c(38) [201500 451] Nitin Sikanwas Linkeetti plublic day stack & SEACK using import java wit & public dass stack static day Node static Node head state dass Node ? int data; Nocle nent Node (int data) { this data = data; this rent = rent public void push (int data) { Node n = new Node (data); if ( is Empty ()) head = n; return : n nent = head! head = n, public hoolean w Emphy interes; if (head == null) ration true; & return talse; Scanned with CamScanner

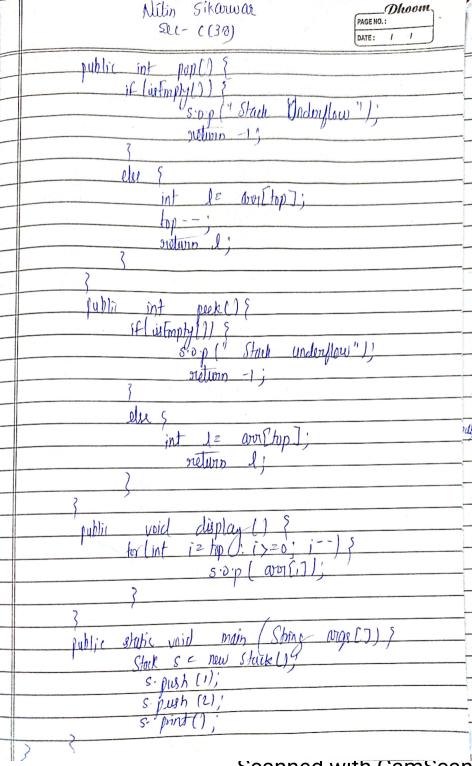
```
Sec- (138) [201500451]
 public vest peece ) {
         if list in pty ()) {
System-out-print/n(" Invalid operation"))
                = head data;
          giotion
      if listmpty () 1
              S.o.pl" Invalid oferation");
      July 8
          int e = head data;
           head = head nent
           sutton
public
               display () ?
        void
      Node.
              wor = head
      Jet won -
      while (wor! = null) 5
              S.O.D (wor. data);
                    wornent;
               void
                                Sping orgs [
public
        static
                        moun
          Stack
                        new
          5. push(2)
          S. push (3)
          S. pop();
                     Scanned with CamScanner
```

Nition Sikariwal

Dhoom



Scanned with CamScanner



	Nitin Sikarwar	DA
	Sec-C (38)	
	Sucre using Linked List!	
1		
	import java util + ;	
+	public dass Queue {	
+	das Node {	
$\parallel$	int data; Node rent;	
1	Node (int data) {	
	the colors data'	
1	this next = next;	
_	}	
	static Node front;	
	static Node near;	
	public burlan is Emply ()}	
	if (front == null) {  futury true; }	
	return false;	
	- stelling talke;	
	public void enqueur (int clata) {	
	Node n= new Node (duta);	
	of (wiEmphy()) }	
	front =n;	
	912 = n;	
	netwin;	
	)	
	$\frac{n(0) \cdot n(n)}{n(0)} = \frac{n}{n}$	
	y(ay = n)	

Sec-c (38)  PAGENO.:	-
DATE:	)
public int dequeue () {	
if (wiEmply())?  5.0-p["Quara is emply");	
outurn -1'	
3	
int x = front data;	
hont = bont rent;	
2 gretuin &;	
public int hont ()	
Tr ( usting by L)) s	
if (istopy)) s  S.O.p.L." Queue is Empty");  netwo -1;	
noturo -1;	
outurn front data;	
public int rear() 5	
if (isEmpty()) { S-o-p(" Queue is Empty");	
5-0-pl" Queue in Emphi")	
netwin -1;	
}	
neturo suon data;	
TUIND SUOTILIATA;	
)	,
public upid display () {  Node wn = bont;	
Nodo won = bont:	
while (woi) = null) }	
sop ( won data);	
woj= wvi.next;	
3	
>	
<del></del>	

Nation Sikonwar	
Sec- ((30)	PAGE NO. DATE:
	1
public static void main (String and Buene 9 - hen Buene 17;	BIH.
Silver 92 new Sucres (1)	1
g: enqueue (1);	
9. enqueue (2); 9. enqueue (3);	
2. enqueue (4);	
q. dequeue ();	
g duplay ();	
- I saftugur	
Same using Array!	
U	
import javarust, or;	
- public dass Dueue Al 9	
static final int munzs;	
int and = new int [max];	
static int front;	
static int rear;	
Brune AR () (	
front = 0;	
-tual = 0 (	
3	
public biolean is Empty ()?	
if (2009 = 2 hont) }	
return mu'	
else S	
gutting falses	
}	
Scanned with Ca	mScan
	at tiocall

	PAGE NO.:	Dhoom
	public himlian astull!	
	$\inf_{x} \left( b(\alpha x - 1) = \infty \left( \max_{x} - 1 \right) \right)$	
	return & Inle)	
	oreturn false;	
	3	
	public void enqueue(int x) {	
	if Lie Fullon	
	s.o.pl" Queue ûs Full");	
	San	
	else {	
	ann[neun] = x;	
	910091 ++ ;	
	7	
	0,112	-
	public ivoid dequelle () {	- Ju
	s. o.pl" Queue is tmpty");	
	3 S. O. Y. I KHOW US EMPTY 1,	
	ole {	
	int de aun [front];	
	front ++;	
	7	
	public int front() {	
-	if (is Empty () )	
	IF (MEMPTY) 1	7.1.
	suturn -1;	-/;
-	)	

	Nitin Sikarwar PAGENO.
	Sec- C(30)
20%	du f
	setura avillant)
	3
	3
	public int rear () §
	if (infrapty()) {
	if (intempty (1) {  Siving (" Queue is Smpty")}
	outump -1;
	3
_	else ?
-	nuturo ann ( nean-1);
	3
	public void display() ?
	for (int i= hont; 1 = 91001-1; i++);
	5.0-pl avr(i7);
	?
	public stutic unid main (China de an
	The thing (sinta angs)
	Quillet of 2 & new Quillet);
	O-enqueue (i) ?
	D'englieue (2);
	O, enqueue (3)
	O' alquelle ();
	a-claplay() 1
7	
	y Vall
	hand
See	Scanned with CamScan