		Date_Page
	Circular Linked L	ist with the same of the same
	Pseudo Codes	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1	Adding Operations	Node
· ·	J .	<u> </u>
a)	At first	
		1.11711
	addfirst(Node):	
	node.next=first	
	last. nent=node	· · · · · · · · · · · · · · · · · · ·
	pist: node	The party of the state of the s
		A STATE OF THE STA
	. 96	
6)	At last	
	addlast (Node):	temp:first
	nade.next=first	for i1: 1 to pos-1100;
	last nent = node	temps: temps next
		while (temp next != first)
	last=noole	temp: temp.nent
	MSL-TRAC	node.nent = first
		temp.nent=node
		last=node
		Shubha

addrandom(Nade)  pos  temp: first  for (i:1 up to pas-1)  temp: temp next  temp/next × nade  nade next = temp next  temp next = node  2) Delete Operation s	
addrandom(Node)  pos  temp: first  for (i:1 up to pos-1)  temp: temp: next  temp/next = node  node: next = node	
temp: first  for (i=1 up to pos=1)  temp: temp: next  temp/next = node  node: next = node	
temp: first  for (1:1 up to pos-1)  temp: temp: next  temp/next > node  node: next = temp: next  temp: next = node	46 - 4 -
temp: first  for (1:1 up to pos-1)  temp: temp: next  temp/next > node  node: next = temp: next  temp: next = node	
temp: first  for (1:1 up to pas-1)  temp: temp: next  temp/next = node  node: next = node	
temp: first  for (i=1 up to pas=1)  temp: temp: next  temp: next = temp: next  temp: next = node	
temp: first  for (i=1 up to pos=1)  temp: temp: next  temp: next = temp: next  temp: next = node	
for (1:1 up to pos-1)  temp: temp: next  temp: next = node  temp: next = node	
temp: temp: next  temp: next = node  temp: next = node	Y
tempinent = node  tempinent = tempinent  tempinent = node	
temp:nent = node	
temp: nent = node	
temp: nent = node	•
2) Delete Operations	and the second second
a) At pirst place	· · · · · · · · · · · · · · · · · · ·
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	· v Augustianista — i v
last next = first next	Land State
last nent = first nent	
	nin Principal Service
# * * * * * * * * * * * * * * * * * * *	
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Dar	e	THE OWNER OF THE OWNER.
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b) At last place

node-temp: first

while (temp:nent! = last)

temp: temp:remt

temp.nent=pirst

c) At specific position

temp=first

for(i=1 upto pos=1)

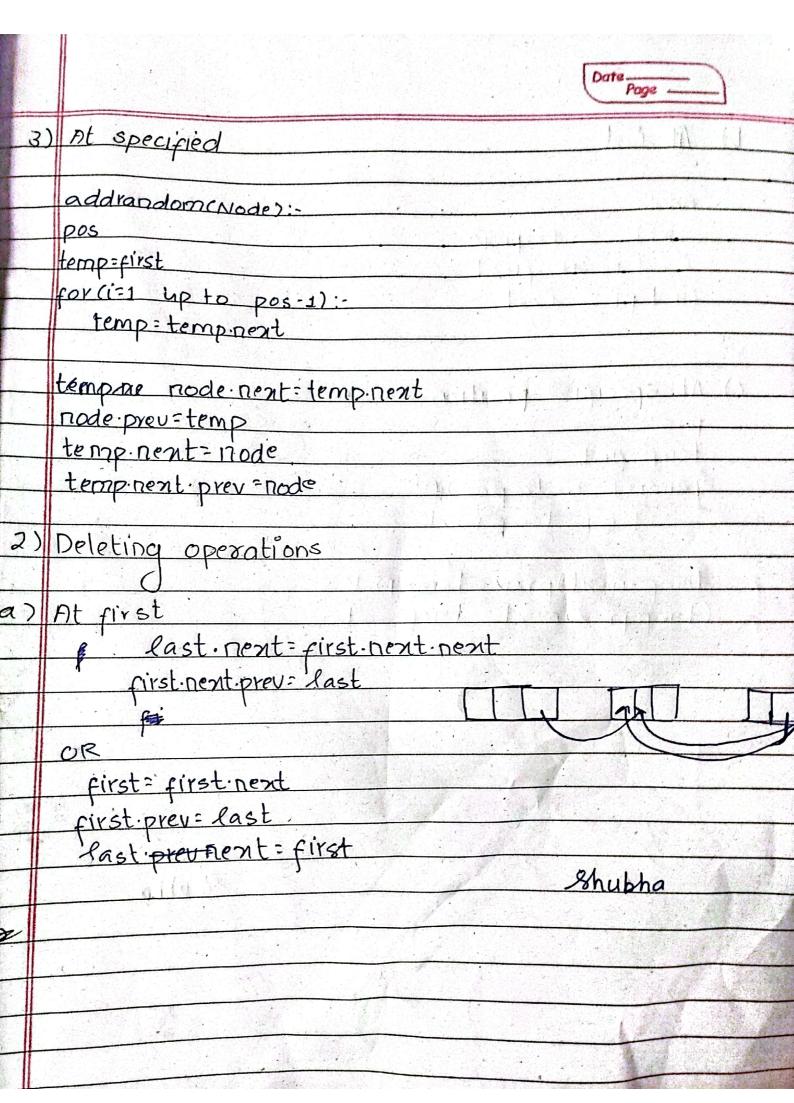
temp-nent=temp-nent-nent

temp===temp-nent

> temp.nent = temp.nent.nent

Shubha

Doubly  1) Adding Operations  Node  addirst (Node)  node.prev: last  node.next: first  lost.next:node  first prev=node  pirst=node  pirst=node  b) At lost  addlast(Node)  node.next: first  node.next: first  last next: node  Addlast (Node)  first lost  last next: node  first lost-prev: last  last next: node  first lost-prev: node  last-node  first lost-prev: node  last-node			Date_Page
J) Adding Operations  O Node  At first  addfirst(Node)  node-prev: last  node-next: first  last: next=node  first prev=node  first prev=node  pirst= node  pirst= node  addlast(Node)  node next: first  node prev: last  last next=node  first stast-prev=node  first last-prev=node		Doubly	
At first  addirst(Node)  node.prev: last  node.next: first  last.next=node  first prev=node  pirst=node  pirst=node  addlast(Node)  node.next: first  node prev: last  last.next=node  first  last-next  last-next  last-next  last-node			
At first  addirst(Node)  node.prev: last  node.next: first  last.next=node  first prev=node  pirst=node  pirst=node  addlast(Node)  node.next: first  node prev: last  last.next=node  first  last-next  last-next  last-next  last-node	1)	Add: O.	
addirst (Node)  node · prev = last  node · next = node  first prev = node  first = node  prext: pirst  addlast (Node)  node · next: pirst  node · prev : last  last · next = node  first = node  first = node  first = node  node · next = node  first + last = node		the pera	
addfirst (Node)  node prev: last  Dode next: first  last next: node  first prev: node  first=node  b) At lost  addlast (Node)  node next: first  node prev: last  last: next: node  first lost: prev: node  first lost: prev: node	9)	AL .: 1	Noae
node.prev: last  Dode.next: first  last.next:node  first prev: node  pirst: node  pirst: node  At last  addlast(Node)  node.next: first  node.prev: last  last:next:node  first last:prev: node  last:node		Tirst first	TITETTE
node.prev: last  Dode.next: first  last.next:node  first prev: node  pirst: node  pirst: node  At last  addlast(Node)  node.next: first  node.prev: last  last:next:node  first last:prev: node  last:node		The state of the s	
node.prev: last  Dode.next: first  last.next:node  first prev: node  pirst: node  pirst: node  At last  addlast(Node)  node.next: first  node.prev: last  last:next:node  first last:prev: node  last:node			
node.next: first  last.next=node  first prev=node  pirst=node  pirst=node  b) At last  addlast(Node)  node.next: first  node.prev:last  last.next=node  first last=prev=node  last=node		\$ \$	
last-nent=node first prev=node first=node  first=node  prode node  node nent=first  node prev=last  last=node  first last=node  last=node			
last-nent=node first prev=node first=node  first=node  prest=node  At last  add(ast(Node)  node nent=first  node prev=last  last=node  first last=prev=node  last=node			Die Andrew
pirst=node  b) At last  add/ast(Node)  node.nent:pirst  node.prev:last  last.nent=node  first last-prev=node  last=node			
pirst=node  b) At last  add/ast(Node)  node.nent:pirst  node.prev:last  last.nent=node  first last-prev=node  last=node		first prev=node	
b) At lost  add/ast(Node)  node.nent:first  node.prev:last  last.nent=node  first lost-prev=node  last=node			
addlast(Node)  node.nent:first  node.prev:last  last:nent=node  first last-prev=node  last=node			in the major of the in the interest of the int
addlast(Node)  node.next: first  node.prev:last  last:next=node  first last=prev=node  last=node	b)	At last	Le sur set e tenin i ve se les est
node nent: first  node prev: last  last: nent=node  first -last: prev=node  last=node			
last-nent=node  first last-prev=node  last=node			
last-nent=node  first last-prev=node  last=node		node previlast	
first fost-prev=node  last=node		last-nent=node	
last=node	liret		
	11121	Last = Divie	
2h coha		1100	
			Qual La



At last white last = last =: prev last next= first first prev= last () At specified position temp=first for (i=1 up to pos) ()
temp= temp=next (temp-nent) prev = temp-prev (temp-prev) nent = tempnent