	Crete
File Body	
Declare Struct Node	
Data: Integer	
Next : Pointer to Node	
End Struct	
Function Bugt Node (value : inte	ger) return Pointer to Node
Allocate memory for newhode	
Set newNode Data = value	
Set new Node Next = NULL	
Return newNode	
End Function	
Procedure Insert Awal (top: Refere	nce to pointer to Node, va -
lue : Intege	
newNode - BuotNode (va	lue)
new Node bop	
top - newNode	
End Procedure	
Procedure Insert Akhir (top: refere	ence to pointer to Node.
value : int	
newNode BuatNode (v	alue)
If top is NULL	
then top - new Node	
Return	
End If	
temp ← head	

	Date
While temp. Next is not NULL	j v aj v
do temp ← temp. Next	
End while	the second second second
	1,280
temp Next ← newNode	a
End Procedure	2/3 1 3
Procedure Insert Between (top : Pointer t	to Node, target: Int-
eger, value : l	nteger)
temp ← head	
while temp is not NULL and temp.	Data is not target
do temp - temp · Next	
End while	or a self-based
then Print " value tidak ditemuk return	an"
End if	
newNode - BuatNode (Value)	* ***
newNode temp. Next	
temp·Next ← newNode	
End Procedure	
Procedure Insert by Value (top: reference	e to pointer to Node.
Value : intege	
new Node ← Buat Node (value)	
If top = NULL or top. Data >	Value
then newNode Next - top	

	Date
_	return
)	Endif
)	
	temp — top
	while temp-Next + NULL and temp. Next. Data <
	Value
-	do temp ← temp . Next
	End While
	newNode·Next ← temp·Next
	temp·Next ← newNode
	End Procedure
	Procedure Delete Awal (top: Reference to Pointer to Node)
7	If top = NULL
	then print "list kosong, tidak ada ya bisa dinapus"
	return
	End if
,	temp ← top
7	top - top. Next
	Dealokasi temp
	End Procedure
	Procedure Delete Akhir (top: reference to pointer to Node)
	If top = NULL
	then print "list kosong, tidak ada yo bisa dihapus"
	return
	End if
	If top. Next = NULL

No	
Date	
then dealokasi top	
top - NULL	ل
return	
End if	
	ل
temp - head	
While temp. Next. Next & NULL	
do temp — temp. Next	
End while	
dealokasi temp·Next	
temp. Next - NULL	
End Procedure	
	3
Procedure Delete by Value (top: reference to pointer to Node,	_
value : Integer)	J
If top = NULL	3
then print "list kosong, tidak ada ya bisa	
dihapus"	
return	
End if	
If top. Data = value	
then temp — top	J
top - top. Next	
dealokasi temp	
return)
End If	
temp — top	

while temp Next & NULL and temp Next Data * Value do temp - temp Next End while If temp. Next & NULL then print "value tidak ditemukan" return End if to Delete - temp. Next dealokasi to Delete End Procedure Procedure Delete Between (top: reference to Pointer to Node, target : Integer) temp - bop while temp ≠ NULL and temp. Data ≠ target do temp - temp . Next End while If temp # NULL OF temp. Next = NULL then print "tidak ada elemen utk dihapur selanjutnya", target return End if to Delete - temp · Next temp. Next - temp. Next. Next dealokasi toDelete End Procedure

top as Pointer to Node = Ni	JLL
Insert Awal (top, 10)	
Insert · (top,5)	
Printlist (top) // Output:	2 -> 10 -> NULL
Insert Akhir (top. 20)	
Insert Akhir (top, 20)	
Printlist (top) // output:	5->10-> 50->50->
	NULL
	, and are to mile
Insert Between (top, 10, 15)	
Printlist (top) // output	: 1-210-212-230-23
	-> NULL
Invertby Value (top, 25)	
Insert by Value (top, 1)	
Printlist (top) 11 output : 1 ->	5->10->15->20->21
	30 -> NULL
Delete Awal (top)	
Print list (top) // output: 5	->10->15->20->25->3
	> NULL
Delete Akhir (top)	
Printlist (top) // output : 5	->10 -> 11 -> 50 -> 72
	> NULL

•	Deleteby Value (top, 15)
	Printlist (top) // output: 5-> 10-> 20->25-> NULL
	Delete Between (top, 10)
	Printlist (top) 11 output: 5->10->25> NULL
Proc	edure Printlist (top: Pointer to Node)
	temp - top
	Print "linked list: "
	while temp \$ NULL
	do Print temp. Data, "- > "
	temp - temp. Next
	End while
	Print "NULL"
End	Procedure
700	
No.	