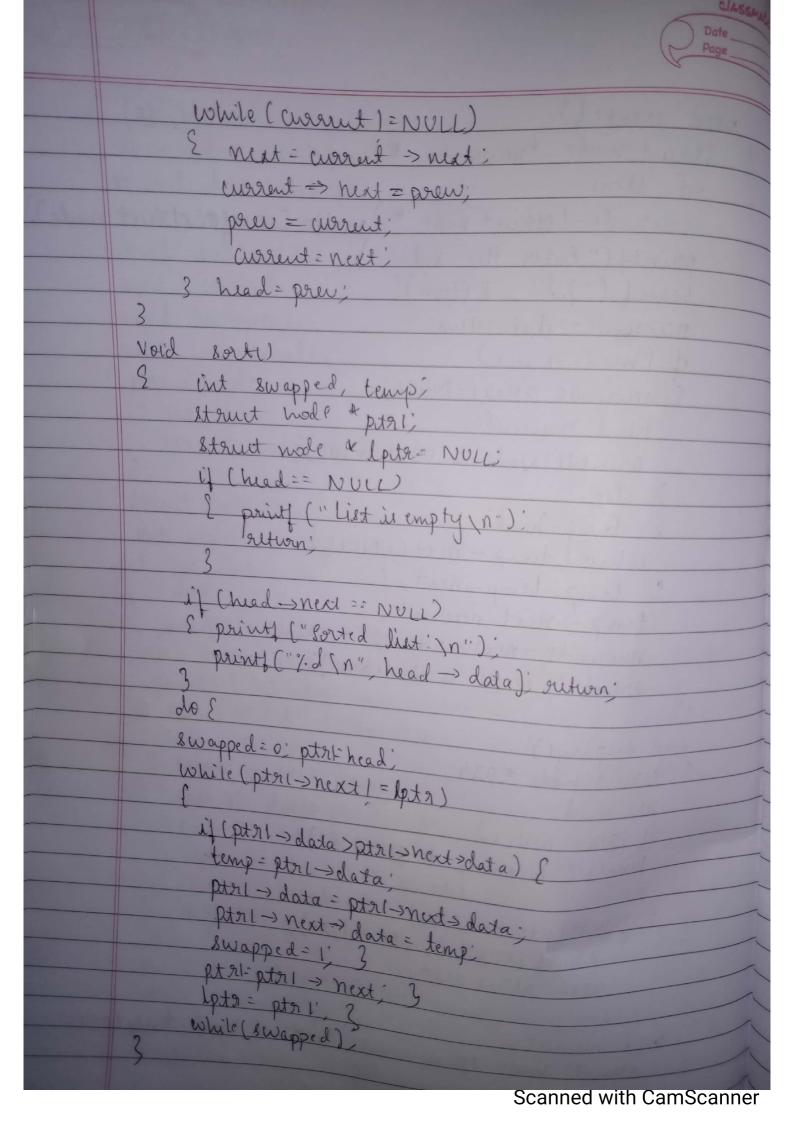
ADITHI GURIMAJI
13M19C3005
Lab-7
# include ( atdio. h)
# include(stdlib.h)
void vreater;
Void display ();
Void sexts.
void reverser);
void concatenation;
struct mode
E dut data;
 struct node "next"
3;
 struct mode Mead? NULL;
int main (i'ut arg c, char # agg v)
5 jut choice, ch
306
Print ("b Oreate) n 2. Display n 3. 8 ort in ascending order
My Karal M. J. ancalenaer a linked dististing
print ( M Enter your choice!"),
sant ("1-d", 8 doice);
Switch (choice)
 ? lase 1: create(); break;
Case 2: diplay (); brush;
case 3'. sort(); break;
case Li ruerse (); breek;
de 5: concatenete (); break'
default: print (" Wrong choice")
Print (" )n Prese 1 il
print (" In faces I if you want to continue else any other number in")
Sland ( " 7. d" 8 d ):
3 while (ch == 1); refurer 0; 3
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voud reate Staut mode \*newhode, \* temp; int item; printf (" Enter the data; "); Scanf ("1.d", & (tern); newprode > data zitem; if (madz=NULL) ¿ neumode snext= NULL' head newhole: print + ("Node is treated n") & temp-head while Lemp > next 1 = NULL 2 temp= temp=next; 3 temp -> next = newhode; newwode-snext = NULL; print (" Node is created p") void displaye) Struct udde \* ptr; Atrihed; if Catriz NULL) point ("Nothing to point \n"); ¿ while (pts /: NULL) parint [" bd" pth -> data);

ptr - ptr - next; void seurse () stand mode pren=NULL, toward: head, & next=NULL;



classmate void concatenate () struct node \* headt= NULL; Struct node \* head 2-NULC strut node \* resdonewnode | \* temp! stand node \*newnodel \*temp? print (" -- first list -- \n") prints ("Enter the data"") scanf (" y.d", & item) neunodel: (htsuit par node \*) mallo c (size of (struct node)); neumodel >data = item: if (headl == NULL) newpodel-) next = NULL' head 1: new node 1; print (" Node is treated \n") templ: head! While (temp1-next)=NUIL) E templ= templ > next; tempi > next = new model; newnodel ->next=NULL; print ("Node is treatedyn") 3 prints ("Press 1 i) your want to continue else any Print (" -- second list print ("Enter the data: " scanf ('7.d', sitem ): neunoded: (struct node #) mallor (Rizeof (struct node));

newwode 2 -> data : itemi ([ head == NULL) numoded-next=NULL) headd-newnoded; print ("Node is rustedyn") else s temp2 = head 2: while (temp2 = next 1 = NULL) temp2- temp2-) next; } temp-snext= newwooded; newnoded -> next= NULL) printsc"Node is reated \n")? pount ("Pous 1 to continue elle any other number ) n" b can (" ', d", of); 3 while (1==1 templ = head! while (temp1 -) next 1 = NVLa templ=templ-next; templ > next = head ? Print (" Concatenated liet: \n"); struct node \* ptri ptr1: head! 1) (ptr1== NULL) point ("Nothing to print \n") while [ptr1]= NULL print ("7.d \t", ptr1 > data

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