instation of a double brited list with instation of given element, deletion of given vode. node. (scarf (" 1. d", ledge) intest (belief) date) # include < stdio.h> #include < Std liboh > Struct riode Stonet mode + rent; int data; Stand mode sprev; sland mode & start = NULL; Struct node & create Il (struct node &); stant modes display (stanct modea); Stand node a insert before (stand node a); stmet mode o delete-selected (stmet mode a); int main () int option; obsprints ("In so Main Menus"); prints[" In 1. create a list); prints (" m 2. Display list); print[["] n 3. Add a mode before an element"); printf["In a. Delete a given mode"); printf("In 5. exit"); prints ("enter your option"); Switch (option) Consel: start-cereate-ll(start);

printf("In Double-11 created");

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Start: display (start);
break;
Core !! : start = insert-before (start);
break;
Corse 4 start = delete _ selected (start);
break;
swhile Coption 1:5);
  get ches;
 return D;
Stont node « create-Il (stonit node » start)
     Stmit node *new-mode, *ptrs
int num;
      Pb ("In entre -1 to enit");
      Pl(" In Enter the data");
      sf ["/od", & num);
     bohile (num] =-1)
     if (start == NULL)
       Enew mode = (stmit mode =) malloc (stje of (stmit mode))
         newnode -> prev= NULL;
        new no de - Lata=nivon;
       nermode - nent = NULL;
        start - new node;
       nennde - (stonet mode ») malloc(sized(stonet mode»))
  the 1 ptr=start;
        newnode data: num;
       while(ptr-)nent!=NULL)
                ptr-ptr-) neut;
        ptr-nent = revorade;
       new node > prev = ptr ;
       neverade ) rent = NULL;
        I Ph ("Enter Lata"):
           (1/1/1" knum); & return start; }
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mode a intert Struct mode a newmode, apt ~ int num, val; Pb(" In Enter the data: "); Sf ("Y. 2" Anum); Pb ("In Enter the value before which the data has to be. inserted"); 56("+.2 "Kval) nevenode: (stmdnode.) malloc (sige of (stm et mode)); ptr: start; While (ptorodata) = val) ptr=ptr-nent newnode - nent = pt ~) newmodesprev = ptorsprev; ptr-sprev-snent=newsnode) ptr-sprev=newsnode; rown start; struct node display struct node " start) ptr: start; ptr; while (ptr/=NULL) 2 Pol "Id", pto odata), pto=pto-ment; return start; Struct mode delete selected (struct mode & start) I stmit made & ptx; int val; ptr-start; PB(" In Enter the value to be deleted"); S{("/. d", & val); while[pt - Idata]: val) of ptr=ptr-new

if (ptr-)data == val) ptr-sprev-ment=ptr-ment; ptr-ment-) prev-ptr-) prev-3 free (pt a); 2 printf("), node with /d value doesnot emist In", val); return start; P prain Menn. 1. Create a list 2. Display the dist S. Add amde before agiven mode 4. Delete a given node S. Emit. Enter your option:) Enter - 1 to end 4567-7 Enter the data: 28 Entel your option:2 23 45 6 7 Enter your option:3 Enter the value before which the data has to be inserted: 45. tale your option: 4 batue the ral to be deleted: 6. Enter your option: 2 23 456 \$5 7 (1100 g pac) 1