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C Junction of Circular dinked dist
                                                                                                                                                Church IL Al Drugh
                                                                                                             the company of a relativities
  # include (stalio.h)
 # include (conio.h)
                                                                                                                                        : (100/1-10 1 " bolo " ) | ME 16
# include (malloc.h)
                                                                                                                                                              (rolly) title
  struct node
         { int data;
                                                                                                          Mathumatica Mante 12 mm
                                             Struct mode *next;
          3;
                                                                                                          it of a poly of the thinks 1500
      etruct node * start = NULL;
       struct node * create-cll (struct node *);
          8truct node * insert-beg (stouet node *);
           Struct node * insert-end (struct node*); It is house a looks it soil
           Struct node * delete_beg (struct node *);
           Struct node * delete-end (struct node *) 1 1/11/11 1/11/2 1811
          (Struct node * delete after (struct node *);
          Struct node a delete list (struct node *); 1, 111/15 11/1/18 12 11/19
           Int main ()
                                                                                              The Julion data state ; can
              र्द
                  int option;
                                                                                                                                     : torret
                                                                                             "I by I of Artists of the test of the test
                   ersere);
                  do
                                                                                                                             1. 15 rd
                    printf("In 1: (reate a list");
                       printf ("In 2: Aisplay a dist");
                                                                                                                                                       1 Hickory
                        printf (" |n 3: Add node at Begin"),
                         printf ("In 4: 4
                                                                                                                                             : ( ) H ( ) ]
                         prints ("In s. Delak woods from Bogin"); " du alle
                     from 6. Delete a node from End" );
                       - prints (" In 7: Delete a node apter a giren node");
                            printf (" mg: Delite the entire list");
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1 34 Killidge ( to mi) private por
Printfl "In 9: EXIT");
Printf ("InIn Enter your option: ");
                                                           Coloulated Statement to
scant (" god", a ophon);
                                                          A. Albert Million 4
Switch (option)
     Case 1: start = creak-cll (start);
                 printf("In Circular Linked list created");
                                                      Private property
                 break:
     case 2: start = display (start);
                break;
     case 3; Start = insert_beg(start);
                                       I f . J. M. . I'l was a store fought
              break;
                                         In fort to reach & Boar Init's
      Case 41 Start = insert_end (start);
                                         Had And Fill, a story boirs
               break;
       Cases: start = delete beg (start);
                                         · lat discolution of starting
                  break',
       Case 6: Start = delete-end (start); ( ) (1) (1) (1) (1) (1) (1) (1)
                  break!
        case 7: start = delete_after (stent);
                  break;
        case 8: start = delete-list (stevst);
                    printf ("In circular linked list deleted"); ()
                     break;
                                      "Interpret of and "Herina
       3 while (
           geren();
                                      A. .. dollar 62 200
                           with along in date it relations
```

I had not be not stated in orly a first

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struct node * create - cli (struct node * ptr) | propos to show how
    ş
      struct node * new-node, *pts)
       int num:
      printf ("In Enter -1 to end"); proper form orly) shall
       Printf("In Enter the data");
      scanf ("%d", & num); (141. 141, "5 x 11") thing
      While (num 1=-1)
          ş
            new_node = (struct node *) malloc (size of (struct node)).
               new-node -> data = num;
               if (start == NULL)
                           Clare a disa facto) for torrette disa
                 ş
                    mew_node -> next = new-node;
                     start = new-node; declared in the
                else
                                      alabout alm MI period
                                       ( anno 2, " 6, 50") } me
                   ptr = start;
             while (ptr-+next!= start) (ad) show a
                         ptr = ptr - next;
                       ptr -> next = newnode; lary colly) stone
                       new-node - next = start;
                    printf ("In Enter the data?");
                     scanf ("%d", & num); 1 ( ) berrans
                                   it me court for
                return start;
                                      I Trouble was they
            3
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Struct node * display (struct node * start)
       struct node * ptr;
        Ptr = Steust;
              ptr=ptr - next;
          return start;
Struct node * insest beg (struct node * stast)
     Struct node * new-node, *ptr;
      int yum;
      Printf ("In enter the data.");
       scanf (" %d", & num);
        new-node = (struct node*) malloc (size of (struct node));
          new-node -> data = num;
         Ptr = Stort;
         while (ptr > next! = Start)
              ptr=ptr>next;
             ptr -> next = new-node;
               new-mode > next=start;
                start = new-mode;
                 return start,
```

```
Struct node * insext-end (struct node * start)
    Struct mode *ptr, *new node; I for the destriction
     int num;
      printf ("In Enter the data:");
                                  ( ) That a () ) Tally
      scanf ("%od", onum);
      new-node = (smut node *) malloc (size of (should node));
      new-node -> data = num;
       Ptr = start }
        while (ptr>next!=Start)
                'ptr=ptr>next;
              pto > next = new-node;
              new-node -> next = start;
                                        The transfer white the start transfer
              return start;
  Struct node * delete-beg (struct node * start)
         struct node * ptr;
ptr = start;
         while (ptr + next! = start)
                   ptr = ptr -> next;
             ptr > next = Start > next;
                 stant = ptr >nuxt
                  free (ptd);
                Teturn Stant',
             4
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Struct mode * delete-end (Struct node * start)
                                                             . I' + I IV togt
             struct node *ptr, * preptr;
                                                          "In al my land
               Ptr=stast;
              While (ptr -> next != stast)
                    pre ptr = ptr;

ptr = ptr > next;
                   preptr -> next = ptr -> next;
                  free (ph);
Struct node * delete-after (struct node * start)
             struct node *ptr, *preptr;
              int val;
              printf ("In enter the value after which you want to
                         delete node");
               sconf ( "%d", bval);
                ptr = stast;
                 while (proply -> data! = val)

spriepts = pty;
                    prepr + next = ptr + mat;
                    If (ptr==stant)
                            free (ptr); return stands
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State of the state of t

```
Struct mode * delete_list (struct mode * start)

Struct mode * ptr;

ptr=start;

while (ptr>next!=start)

start= delete-end(start);

free(start);

return start;

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```