

```
case 1: treatect break
      case 2: displayer; break
      rase 3: insurpositi; breek;
      case 4: insert bef(); break
      case 5: insert aft () break
      case 6 insort last (); break
      case T: insert-post; break;
     default: printf(" warong choice");
   print ("In Press I if you want to writing elle
    other number \n")
   scan (" o/. d" 8ch);
   3 while (ch:=1);
   return o'
void vester
   grant mode * newworld, & temp;
   int ID, 8, 1)
    chan nisoli
    new mode = (struct mode to) mallor (size of (struct node)
    print( "Enter Student id, name and sem; ")
    scary ("1.2", 8ID).
    sian (" 1.d", n);
sian (" 1.d", 88)
     neumode sid = ID;
     for (j=0; )++)
     Menmale s name GJ=nGJ:
       if (ng3==10) brigh ?
     newnode -> sem = 1;
     i) (head == NULL)
    E' neumode → next = NULL
        head newhode;
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print( "Node is realtdy");
   3 else E
    Jemp: head
     while (temp > next | = NULL)
       temp = temp = next
       temp - next = newmode;
      newhode > next = NULL;
      print! (" Node is created in")
void display ()
     Struit Inode & pts = NULL;
     Ptr head;
     () ( pta == NULL)
     2 print (" Nothing to print (")") 3
     olse S
      while (ptg 1= NULL) &
       print ("ItID: /d /t Name: 7. s) t Sem: 9. d/n", ptr sid
                 juss - Atq same ( Atq
      Ris= ptr >next;
void insutposic)
E Street mode "nownode;
   ind ID s, j' charnesod;
   prints (" Enter student id name and sem
  numede = (stand node *) malloc (size of (stand node));
   newnode -> id=ID;
   or (j=0); j++)
    newnode -> name(j)=n(j]:
       if (ng) == 10') brak; 3
```

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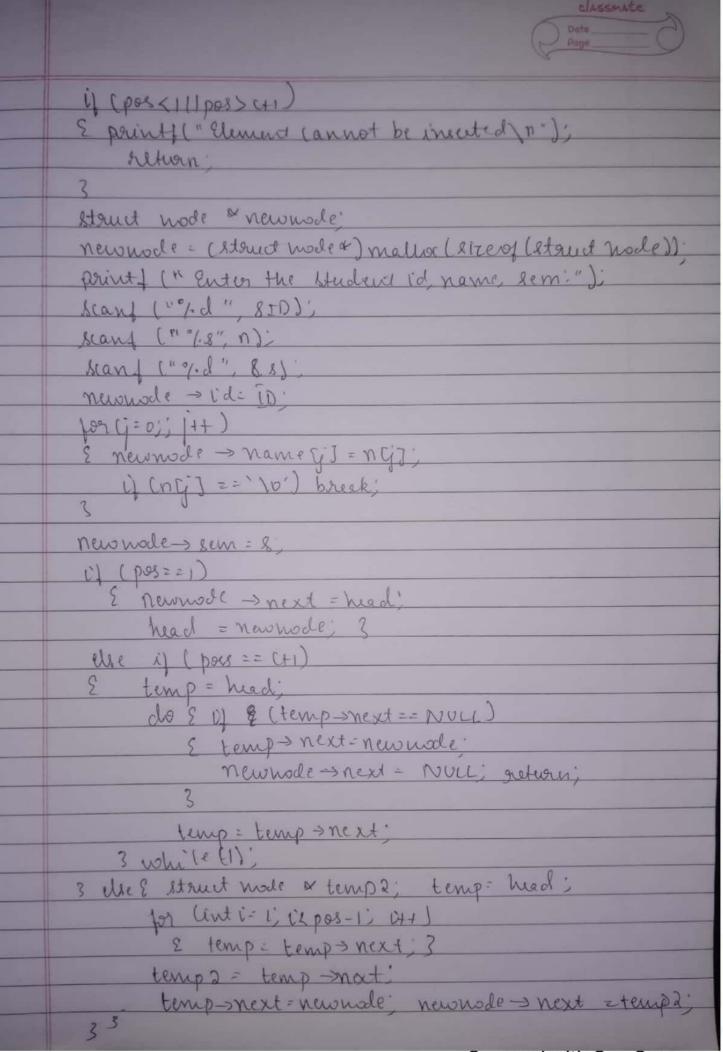
newword - semisi newwode-> next = head head = newmode; void insert-bef () struct mode "newmode, "temp!, "temp2= Try templ: hadi int ID, s, elebet, j; char n CSOT Printf ("Enter the student ID before which the has to be inserted: "); Slauf (" 1.8", ([D); scant (" 1.8", n) scan ("-/.d", 83) newhode : (Struct node &) malloc (size of (struct newmode - sid= 1D; () (= 0; j++) ¿ neumode sname []; if (ncj)== 10') break; ? newhode - shem : si (1 (head > id = eleber) 2 newmode -> next = head; head = neumode; return 3 while (temp1->next 1=NULL) if (tempi -> next-sid == ele-best) templ= templ -> next: tempi -> next = newwodo. newwoode - next : temp? sutures 3 else temps: temps - next; ? if (temp2 == NULL) forthis aft is bound found in the list ye > 3 return;

Scanned with CamScanner Scanned with CamScanner void insert-aft() E structure node * newnode, *temp! * temp2 = NULL; tempi= head; int ID, ele-aft, 8, j Char n [50] Brint ("Enter student tol after which element has be inserted: "); scanf ("? d", 8 ele apt); print ("Enter the student Cd, name, and sem: "); scan (" "/d" , SID); Scant ("1.8", n) Stand (" 1. d" 88) newwode = (struct mode & malloc (size of (struct node)); newhode -> (d=ID) 195 4-0; 1 jH 2 newmode - nametj J=nyJ if (ng): Elo') break; } newwoode > sem: s' while (temp) - next 1 = NULL) & of (tempt -> id== ele-aff) 2 temp2= temp1 -> next; temp 1 >> next = newwode; newhode > next = templ; return; 3 else templ: templ->next; 3 ((temps -> id == ele-aft) & temp > id = eleapt) tempi - reconnext = newhode; newmode -> next = NULL 3 ruturn; i) (tempd== NUL) prints ("Element is not found in the list \"); geturn; 3)

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void insut-lasti) E stand node neumode, * pts; ats: head; int ID, 8, j; char MCSOJ print (" Enter student id, name and sen: "); scant (" y. d", 8ID) scant ("7.d", 88) newmode = (struct made &) malloc (sizeob (street mode) newwode >id = ID tor (1=0; j++) newarde -> name GJ = nGJ if (ng] == 10') break; 3 newwoode > sem= 8; newhode > next - NULL; geturn; 3 pts: pts -> next; void insut-pas() int pos, c=1, j. ID, s; char nesoJ; struct mode * tang if Ctemp 1= NULL && temp=next1= NULL) if ctemp > next 1= NUL 3 while (1); paint (" Enter the position at which the element to be inserted in.). sland ("7-d", spss);

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