List_t (los 7)
Monday, October 04, 2010 ctt remor of) - Jjumpal the gin with dota t--Barre Pa Lit what I - list-ti uhat
we ment for lab 7 Aid lost time in 1+ needed vutil (C++ Version) lab g but the by their of C++ docon't crashy apply to - por los 7, vse: (for dota-t) list-t like a class data-t C strut public:
std:: string name;
int
id; viible by M

int 10,

- we'll go back to fuller version of

data + for lath 8,

- for lath 7, head list - t = f

C++ 1/0 for data - t

Monday, October 04, 2010 9:10 AM -C++ 1/0: ving streams # include < iostrum> instant of # Indula (Hdia. h) Hindrale (string) for C++ string) (instreed of char nave [NAME_LEN];) int main (int arge, char *argv()) littet list; l'unt a paintan just a cost object data-t + data; 11 parter to data-t / fru (date) i in C: data = mallor (size of (data t)) call to menory to allocate ansitrary merons in Ct; data=[new/data_t(2) replaces you're asking provide object to create initrulyation on instance of itself agment in 1047, -(aptoral) VIA its constructed we we default constructor delate doth; class dotn-t

class datat replaces free p.Mlic: std::sling name; int idi std: sting name; //for 1/0 num 16/2 110 protected of scomp, se cin stream // See cfpreference.com works like scanf but (e.s. are we At EOF) 1/ hefor, we had: white ((count = 8 ang (...)) == 1) while (! std::cin. eg()) { std:: cin >> name >> nrm; interpret this as: std::cin. operator >> (std::string) std::cin.operate>>> (int) same funder operator overloading (std::cin. gruster >> (std::gdny)). operater >> ([int)

```
this furtion (speciator>>) MIST
            return an istram object
                    ( what the cin is)
   if (std::cin.good()) }
          date = new data_t; } I would prefer
          dota ) id = nom; (to write:
                                      data = new lata + (name, nom);
need a constituto
           list add ( (void *) duto)
                                                    for data t
                    C++ does not like void x
                CH likes strong typecherking
vest is similar to ldh 2, i.e.,
      list. ruset ()
       data = (data_t *) list. get_data()
       list. next-link();
      list. not-end()
      Mit. del() - like a destructor
(ist. rest();
while (list, not end ()) ?
    data = (data_t +) list.get_data();
  - std: 1 cout << data > name << " " << data > id << std: wdl;
         · like prints (" dos _ god \n", dots > none, auto + id);
   list. next_link()/
```

- J'd rather thre Std:: Cout << late; clam data_t phli: 1/ contrater (overloaded) data t (stel: ctring inane = "", int inom=-1) { name = iname; id= inum;} std::stry.operato=(std::stry) date-t (std: string inou = "", int inom=-1): name (iname), No-of construct

August acrests date t,

for data t acrests date t,

which start acrests date to the construct acrest date to the construct acrests date to the construct acrest date to the construct acrests date to the construct acrest date to the construct acrests date to th } s << phs. name << "" << phs. id << std: end); splis ostrum & orenter < ((stalis ostrum & state + + (hs))

{ return (s << (+ rhs)); } interest as std: orten. grender S. sperder CC (S, date +)

std: siden. grender S. greder CC (S, date_+)

Private: std:s strag names; int 10,

3 >