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//declaration of struct :
struct participant {
char reg id[10];
int inst_no;
struct participant *next;
Struct head{
Struct participant* head;
//in the main:
int name[1000];
Int no_of ins;
scanf char ch;
struct participant* temp;
struct head* list;
Menu driven function with r,p,c,s,f;
If switch (ch) matches with r:
                             scanf inst_no1 and reg_id
                              temp=create node(inst no1,reg id);
                              insert(list,temp);
                              break:
If switch(ch) matches with p: printf(list); break;
If switch(ch) matches with c: scanf int key;
                             count(list,key); break;
If switch(ch) matches with s: scanf int key;
                             search(list,key); break;
If switch(ch) matches with f: collect Refresh(list); break;
If switch(ch) matches with t: return 1;
//insert function:
Struct participant* temp1;
temp1=list->head;
While temp1!=NULL and temp1->inst_no!=temp->inst_no
temp1=temp1->next;
if (temp1==NULL){
temp1=list->head;
While temp1!=NULL and temp1->inst_no>=temp->inst_no
 temp1=temp1->next;
```

Design question 2:

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if(temp1==list->head)
temp->node_pointer=temp1;
   LL->head=temp1;
Else
 temp->node pointer=temp1->node pointer;
     temp1->node_pointer=temp;
}
Else
 temp->node_pointer=temp1->node_pointer;
    temp1->node_pointer=temp;
//printf
struct node* selected=LL->head;
 If LL->head equal to NULL
   printf("-1\n");
   return;
 while(selected!=NULL)
   Printf selected->reg_id;
   selected=selected->node pointer;
    printf("\n");
//count_function
struct node* temp1=LL->head;
Int count=0;
While temp1!=NULL
 if( temp1->inst_no=temp->inst_no)
  count++;
  temp=temp->node_pointer;
printf("%d"count);
//search
struct node* temp1=LL->head;
Int count before=0:
Int count=0;
While temp1!=NULL
 if( temp1->inst_no!=temp->inst_no)
  count_before++;
  temp=temp->node_pointer;
If temp1->inst_no equal to temp->inst_no
```

Count++; printf("%d %d"count_before,cout); //collect_Refreshment struct participant* temp1=LL->head; Struct participant** array_g instno[1000]; Int inss=0;

While temp1!=null

Every element points array_g_instno if tht inst_no isnt present previous in the array //so only first occurrences will be copied temp=temp->next;

Delete every location other thn the ones pointed by the array_g_instno.