**Data Structures**

When a mem of struct is such a way that it is pointing to itself type is pointing to struct is called SRP(self reference pointer)

How to change or add

\*ptr ha ve to fdefine in dtruct

Ptr1=&h1

Ptr1=h1.ptr

Ptr1=ptr1->ptr – both ar pointer we use ->

1st have to assign

Ptr1=&h1

While(ptr1!=NULL)

{

Printf(“%d”,ptr1->val);

Ptr1=ptr1->ptr;

}

Printf(“NULL”);

If we want to add n4 node to the end of n3

N4.ptr=&n5

1. Have to check the null value becoz at last it contains NULL vaue

NODE h1,h2,h3,h4,h5

N4.ptr=&n5

While (ptr1!=NULL)

Printf(“%d”,ptr1->ptr);

Ptr1=ptr1->ptr;

If(

Adding new node

Wwe have change the base address and also aw have to change 2nd addresss

Look here …..

N1,n2,n3,n4,n5,n6

Here

Ptr 1= &n1

Now have to change to add address at front of the list

**Ptr1=&n4**

**N4.ptr=&n1;**

**A computer screen shot of text

Description automatically generated**

**If there a node then it can be append ifthe slist doesn’t have any nodes the which we are appending will become the 1st not and it will become parent address**

**A computer code on a black background

Description automatically generated**

**QUEUE**

If (f==r)

Queue is empty

If(r==max)

Queue is full

In pop operation

If(f==r)

Queue is empty

Here the rear and front are both incerements to max in pop

So we should reset both to get or insert the other elements in qeue

Like

Reset == f=0 ,r=0