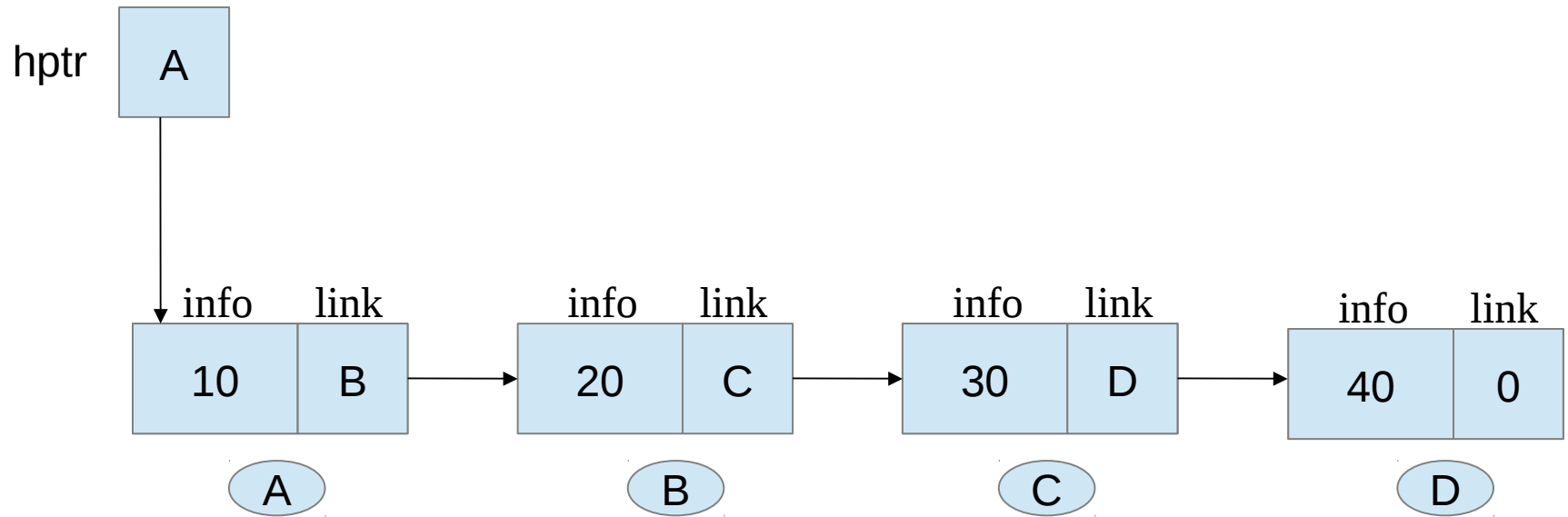


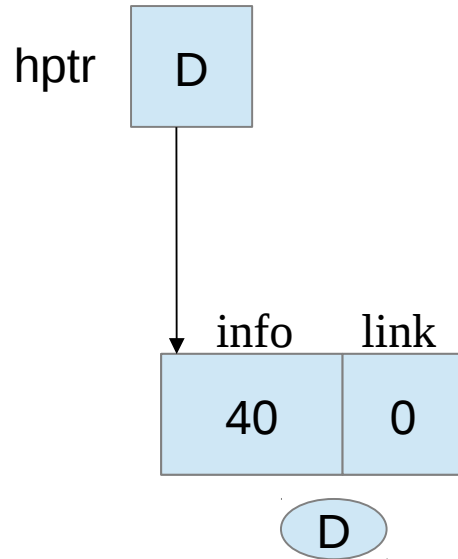
Single Linked list

Ex:



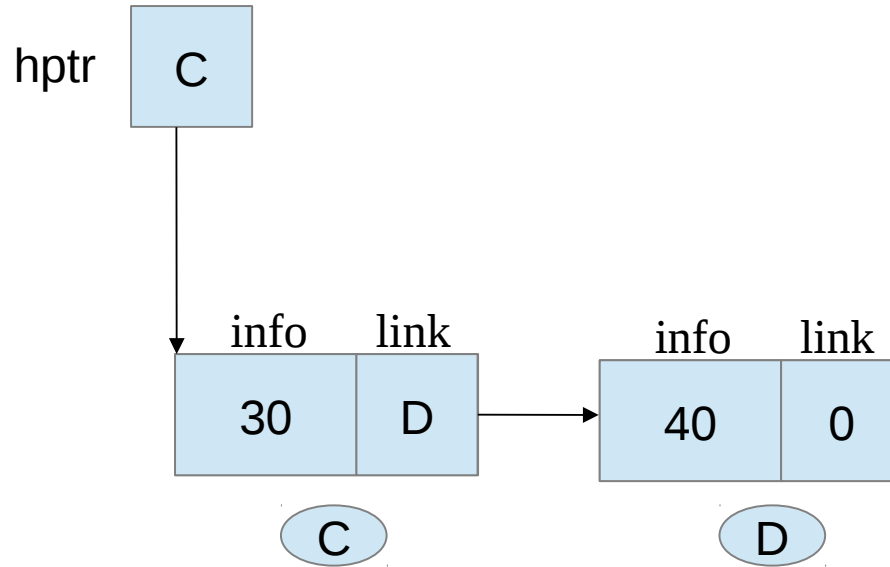
Single Linked list

Ex:



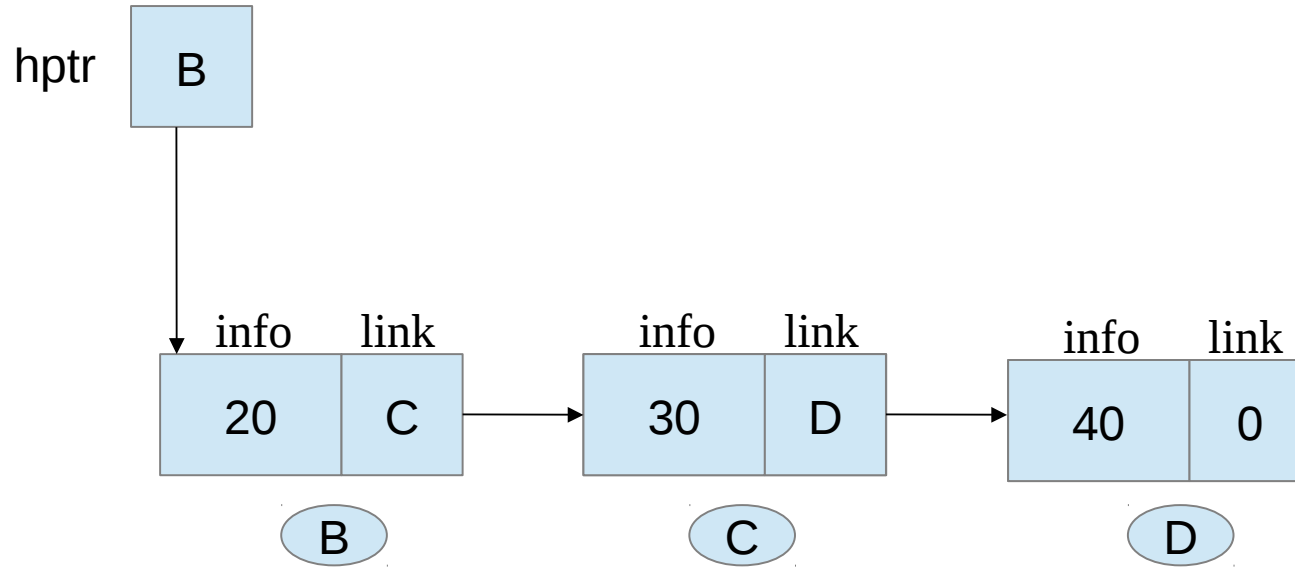
Single Linked list

Ex:



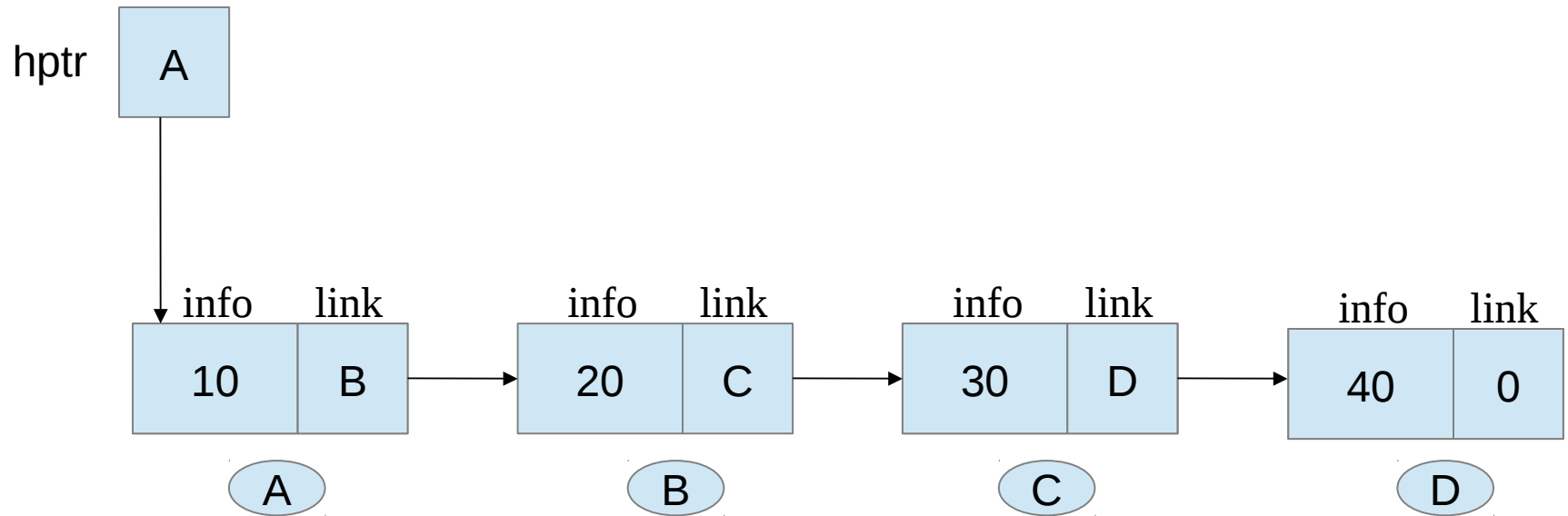
Single Linked list

Ex:



Single Linked list

Ex:

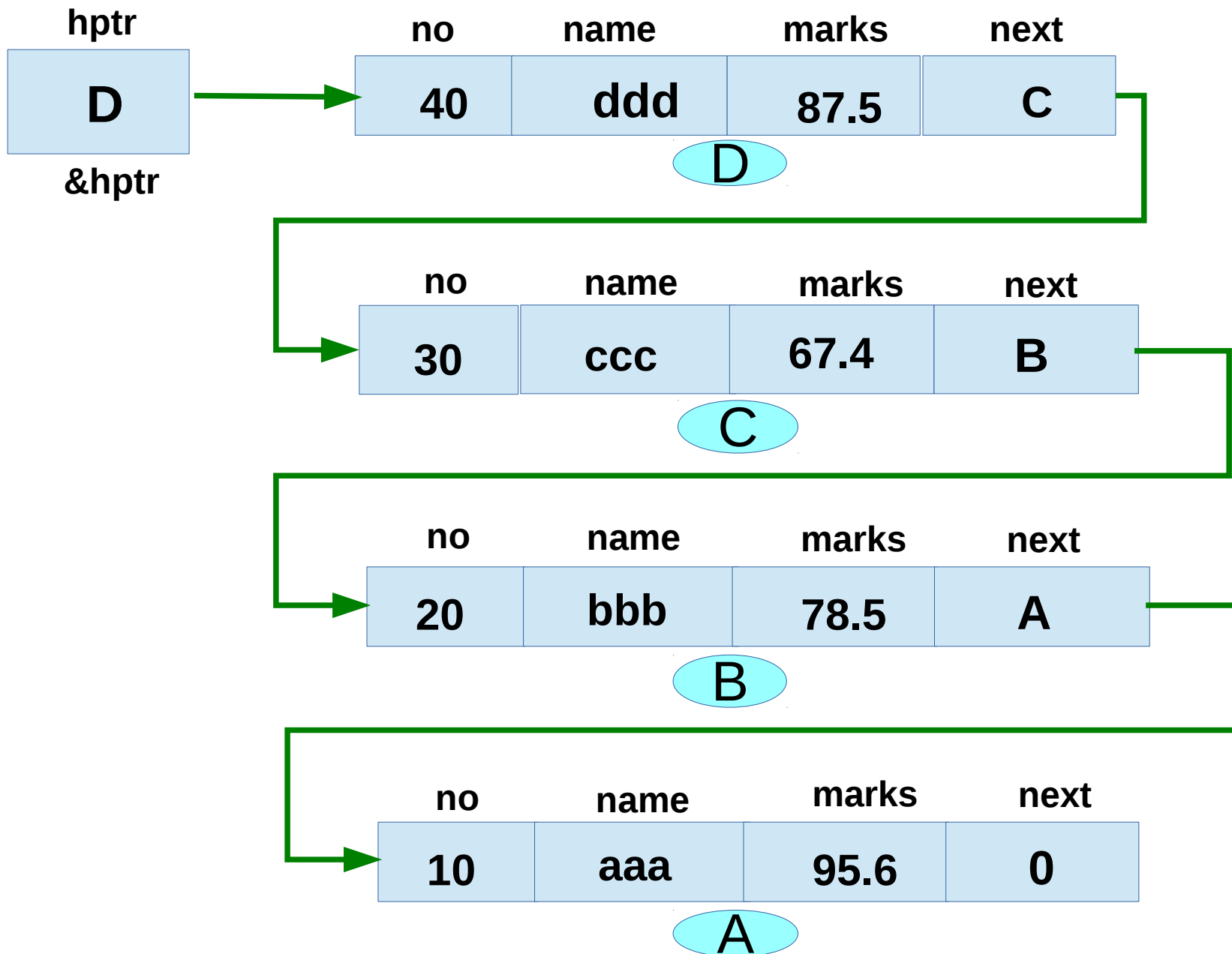


Important Points to Remember

- 1, Need to declare a self referential structure
(for nodes – basic building block)

```
struct list{  
    int data;  
    struct list *next;  
};
```

- 2, Need make a pointer (structure pointer)-
called head pointer for storing the starting
node address.



add_begin

Insertion of every new node at the beginning (hptr)

If you enter 1st student record

add_begin



add_begin

hp
ptr
0
&hp
ptr

no	name	marks	next

A

New = A

dd_begin

hp
ptr
0
&hp
ptr

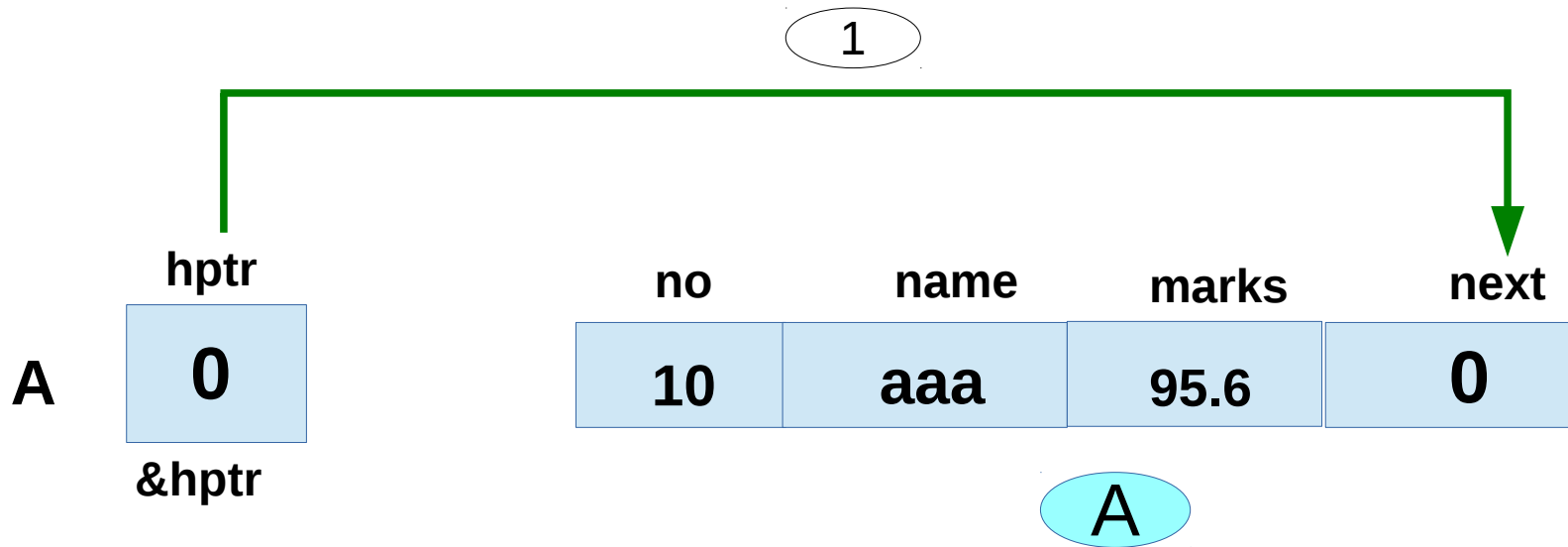
no	name	marks	next
10	aaa	95.6	

A

New = A

add_begin

1) New -> next = hptr

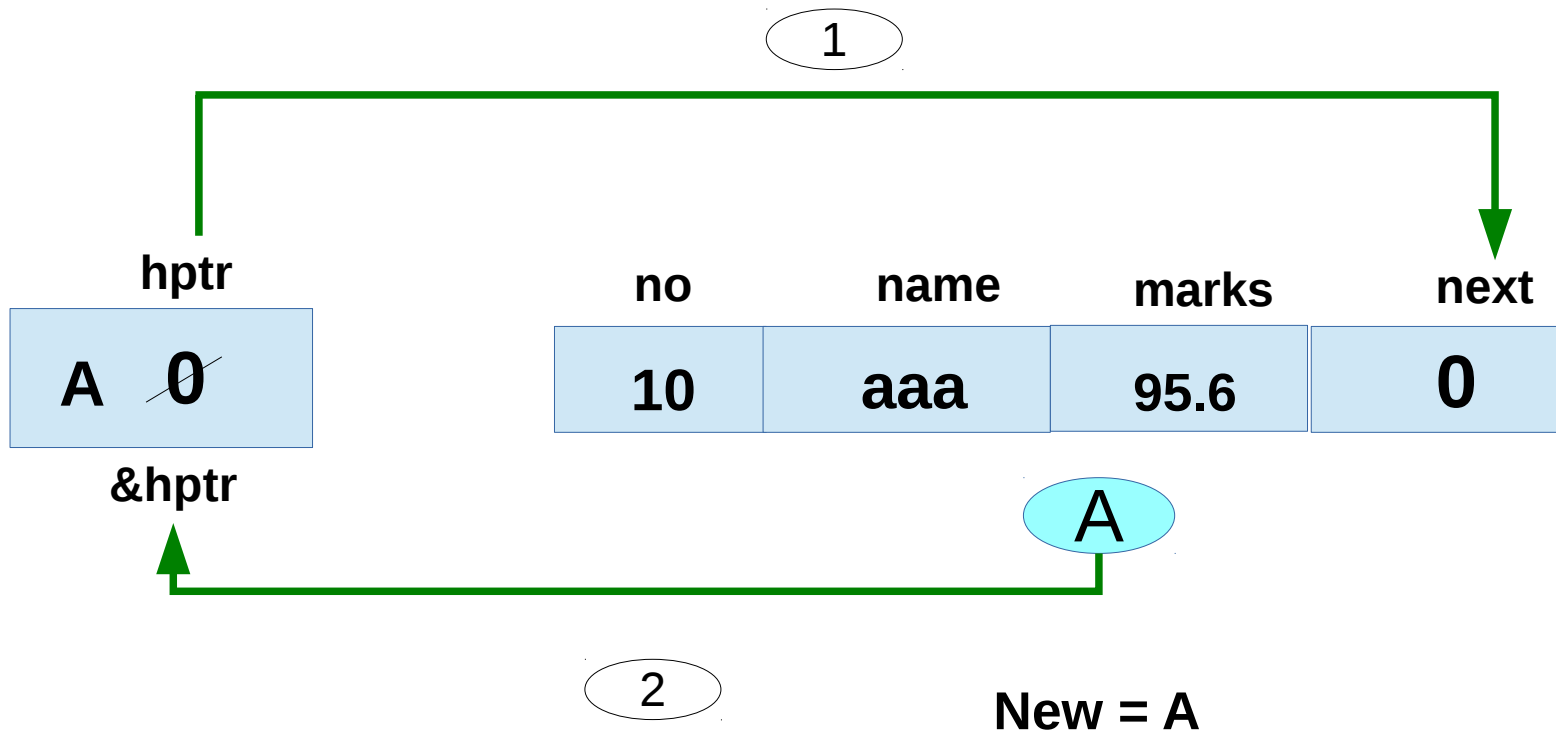


New = A

add_begin

1) New -> next = hptr

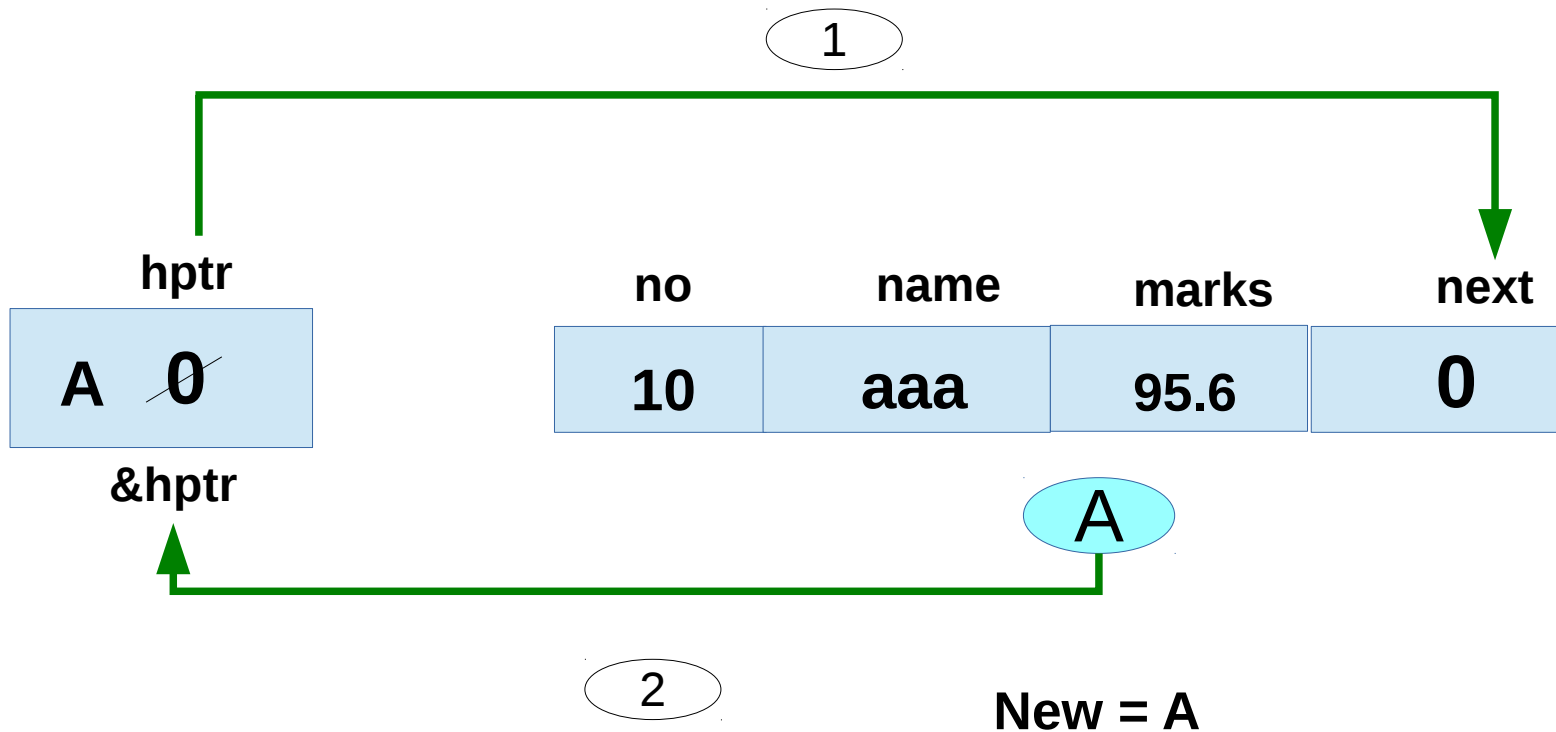
2) hptr = New



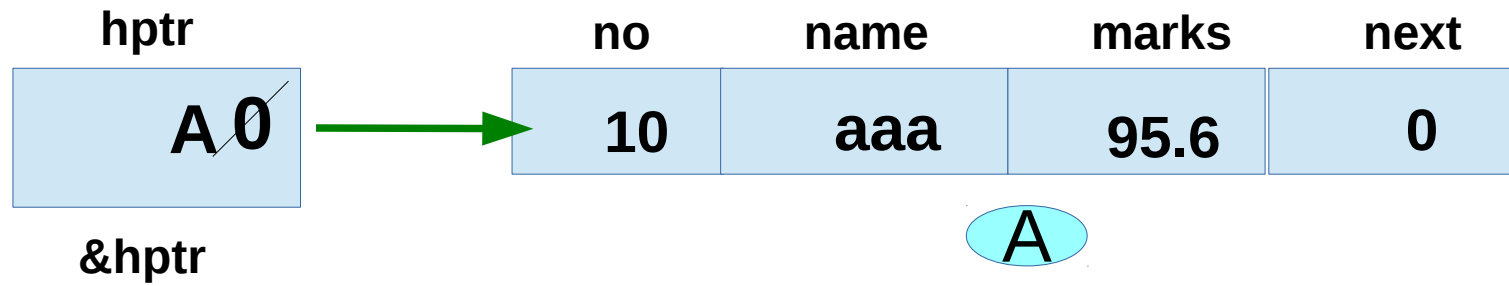
add_begin

1) New -> next = hptr

2) hptr = New

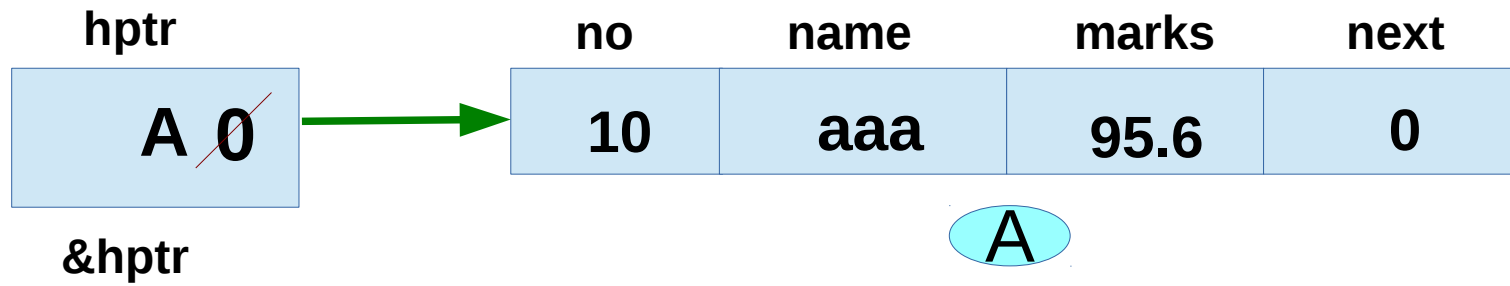


add_begin



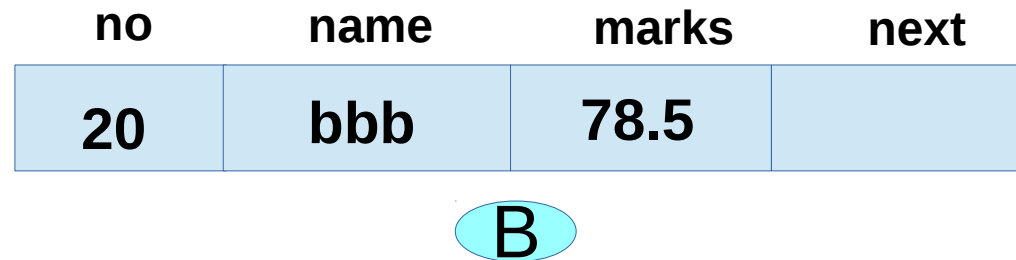
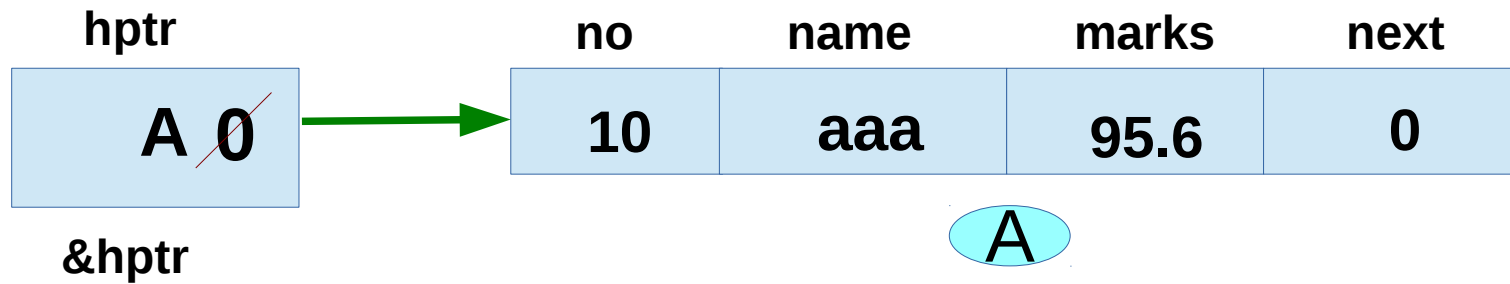
If you enter 2nd student record

add_begin



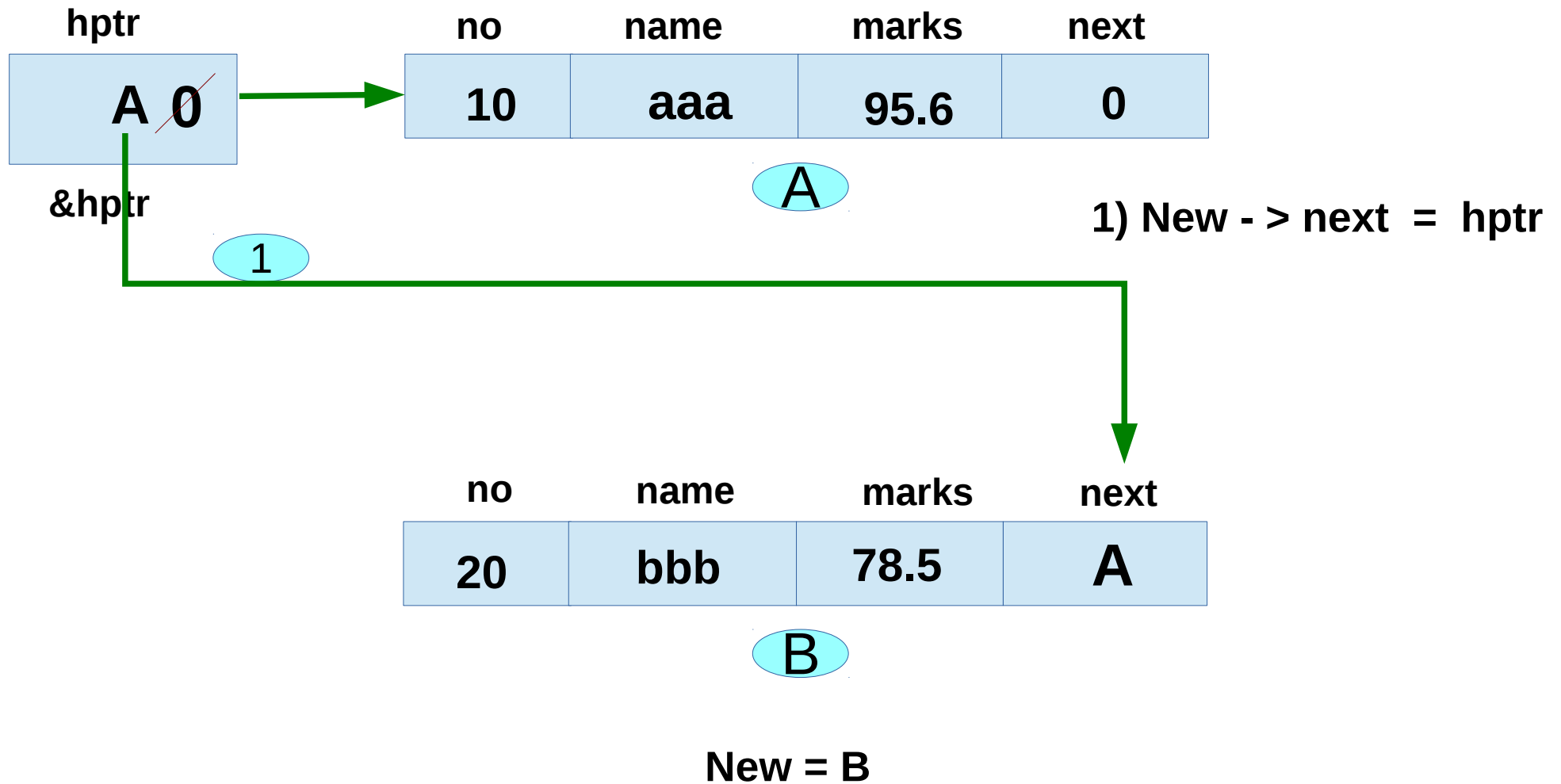
New = B

add_begin

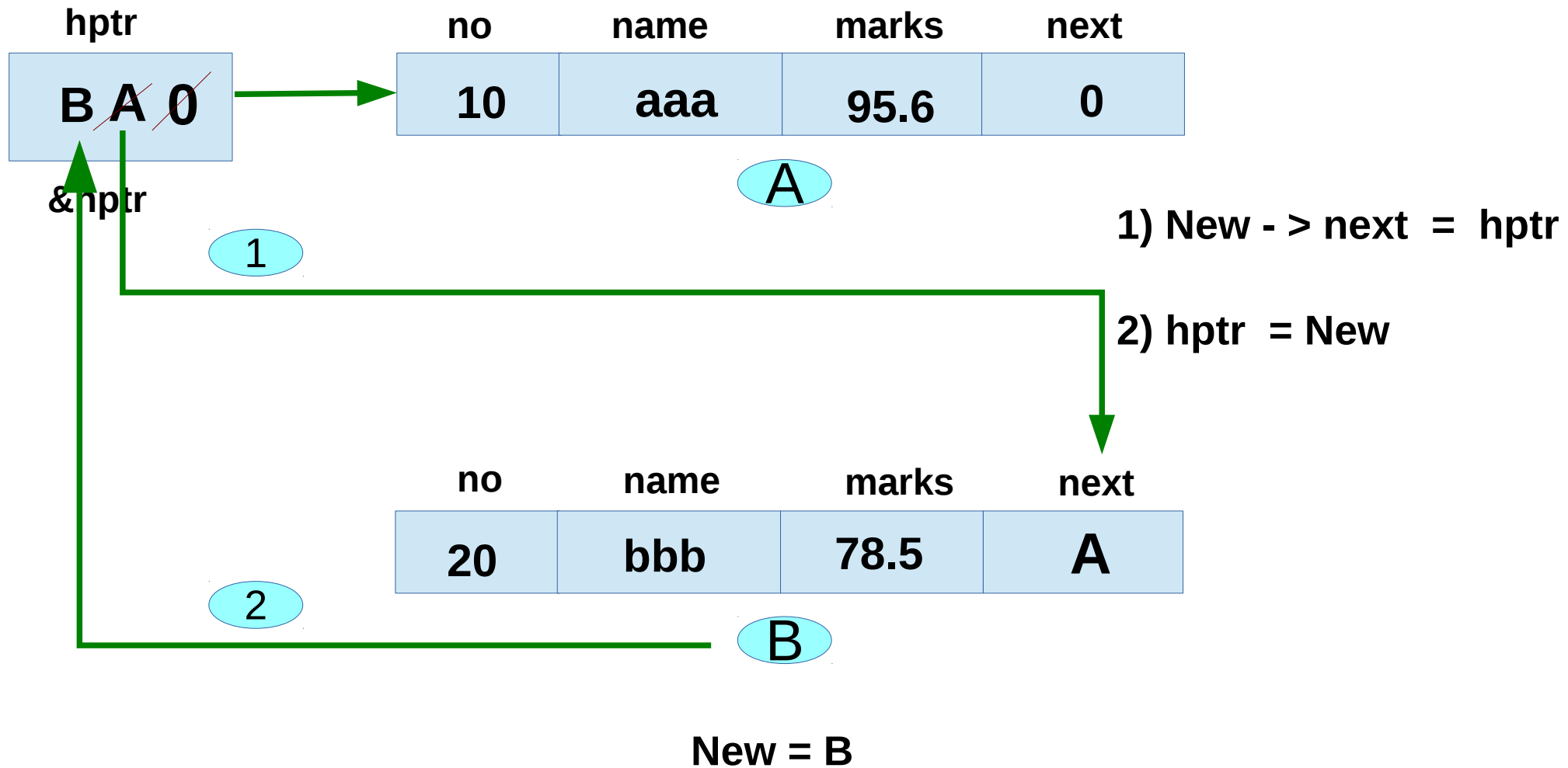


New = B

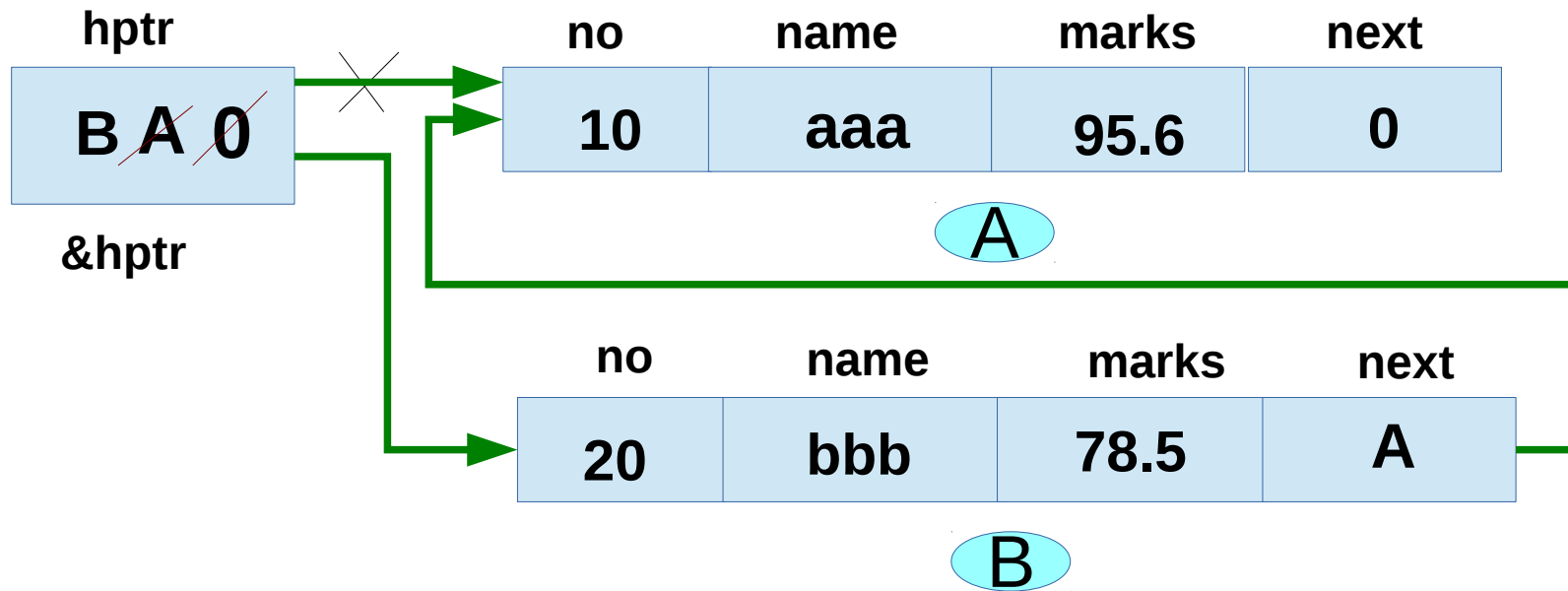
add_begin



add_begin

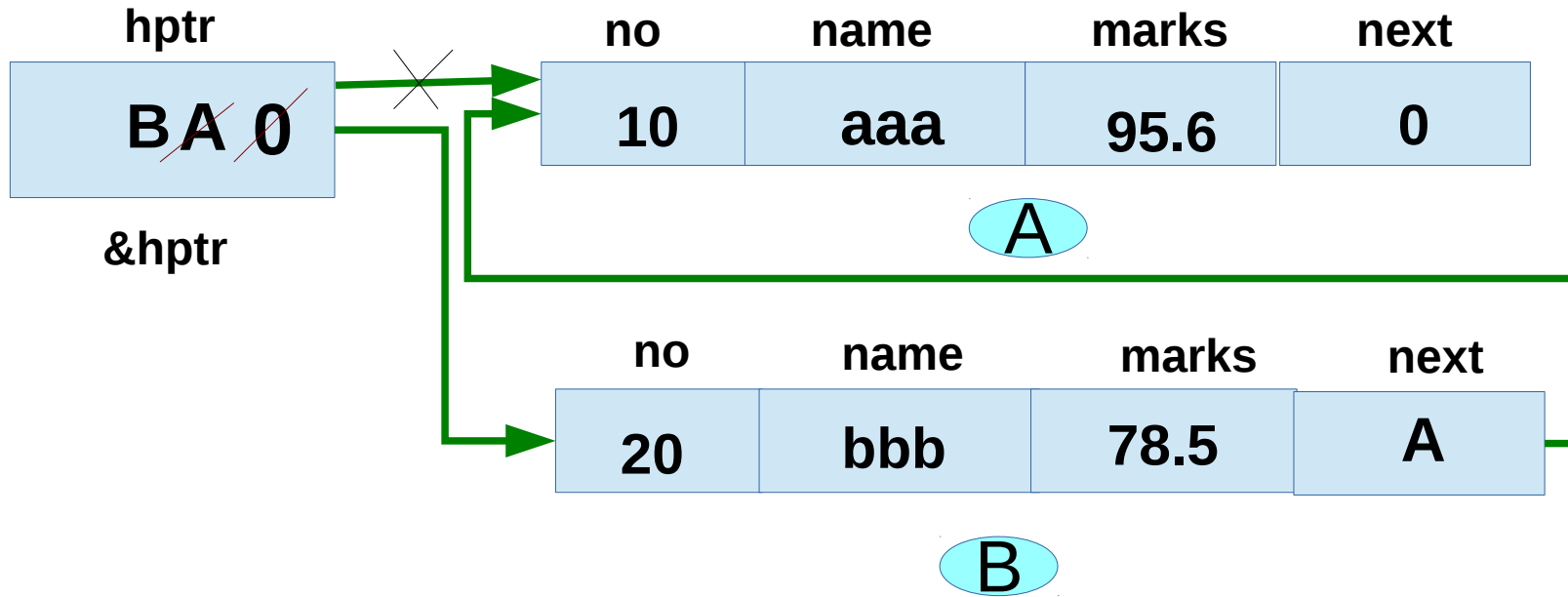


add_begin

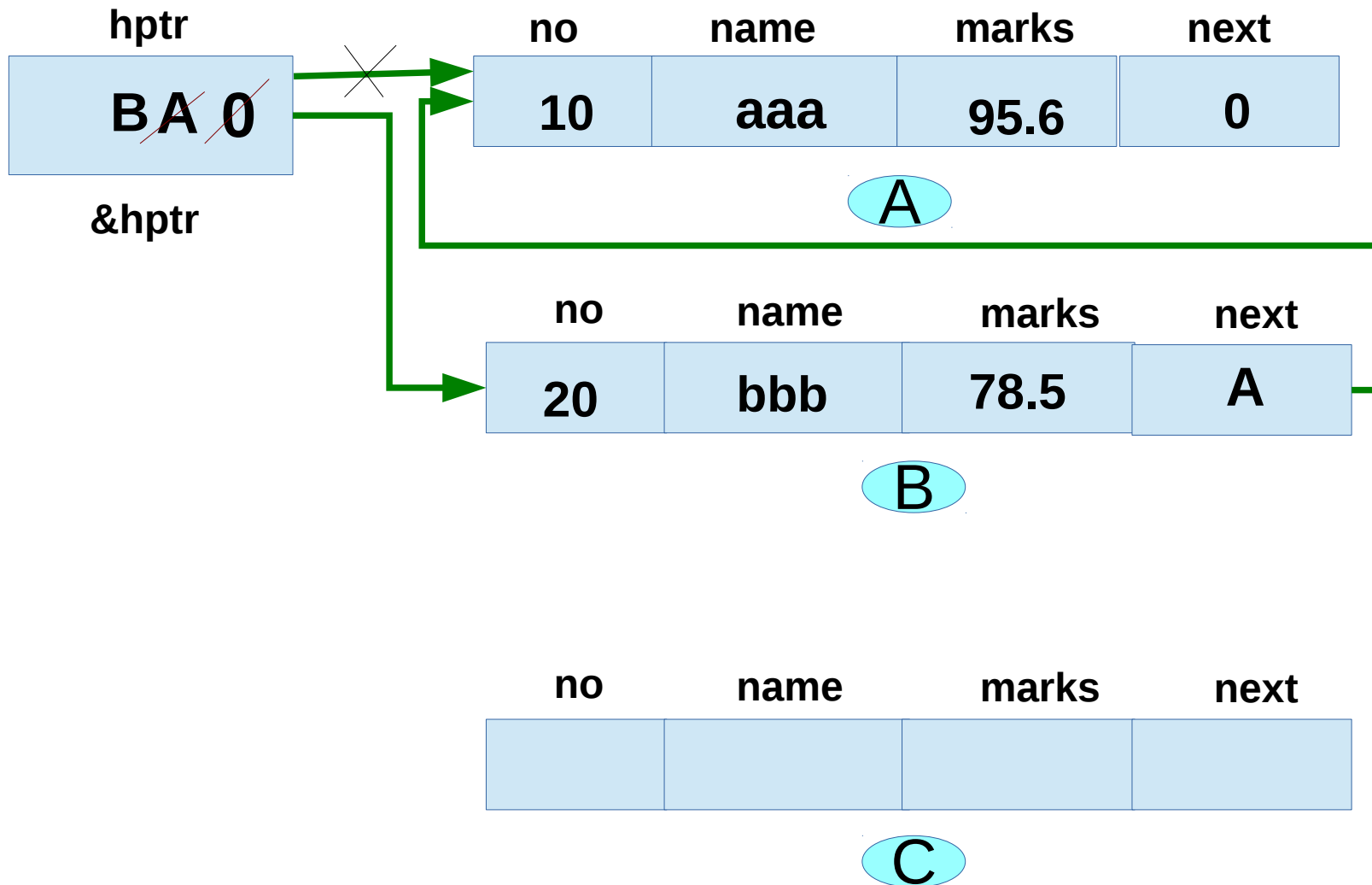


If you enter 3rd student record

add_begin

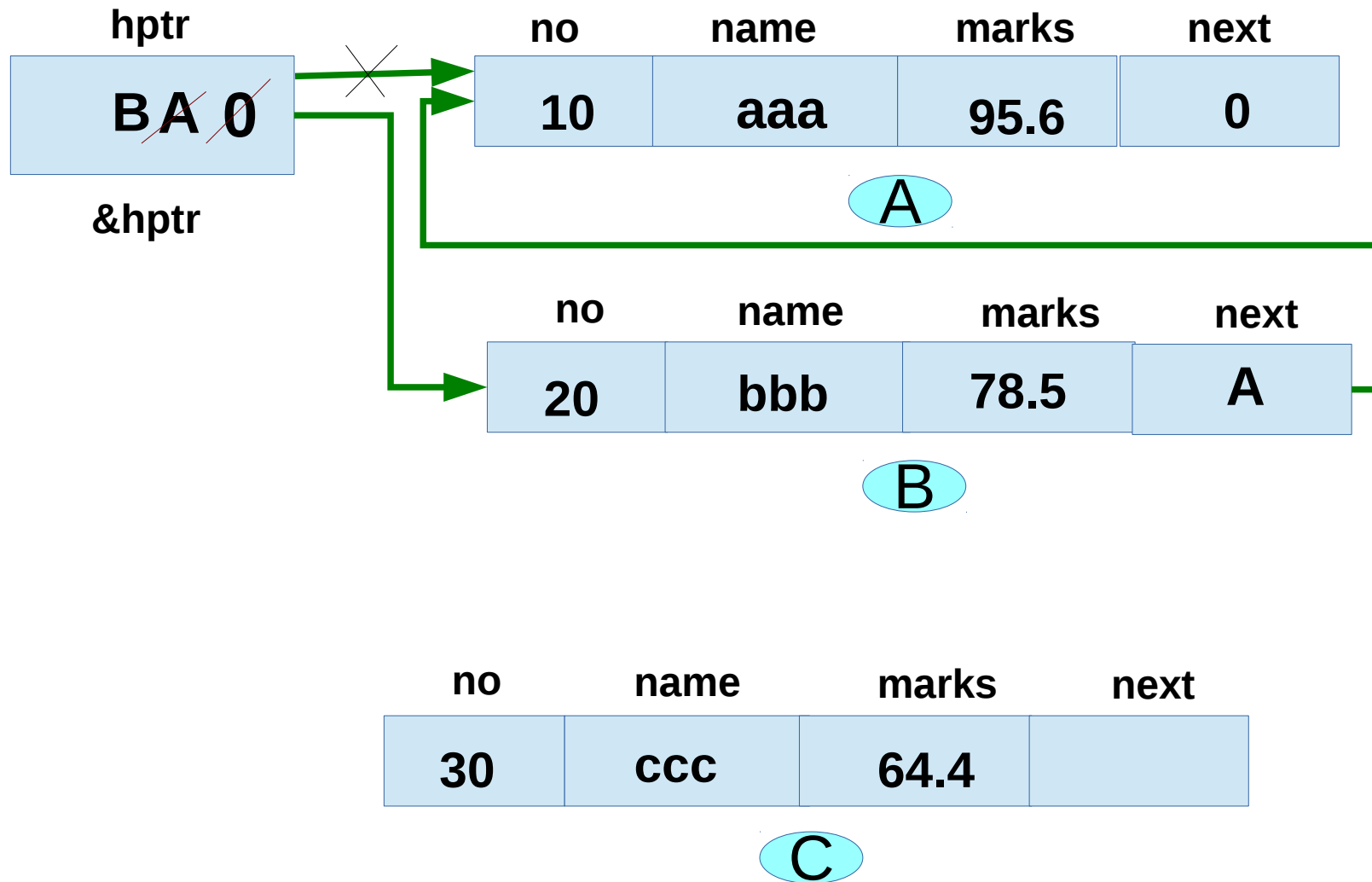


add_begin



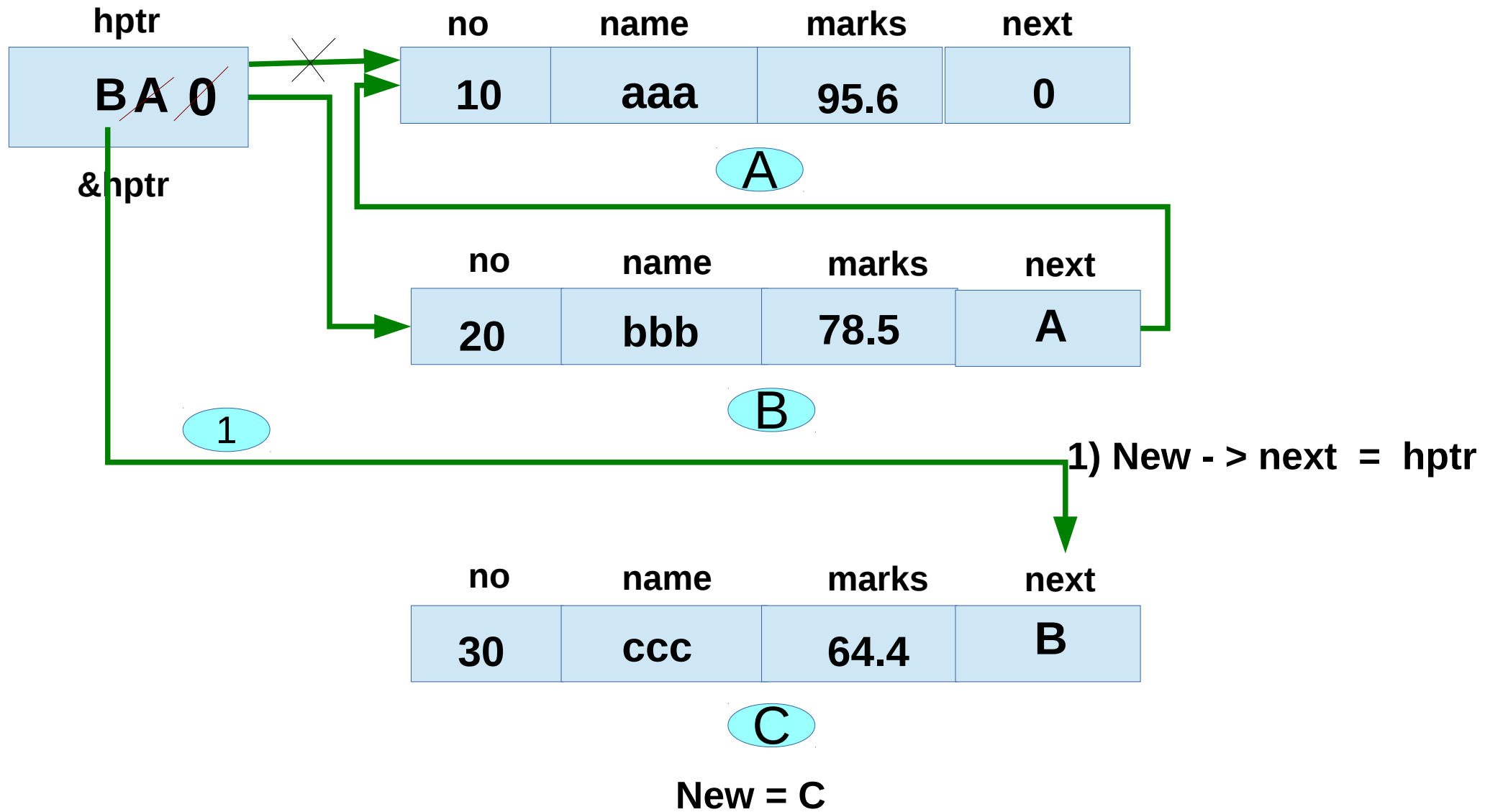
New = C

add_begin

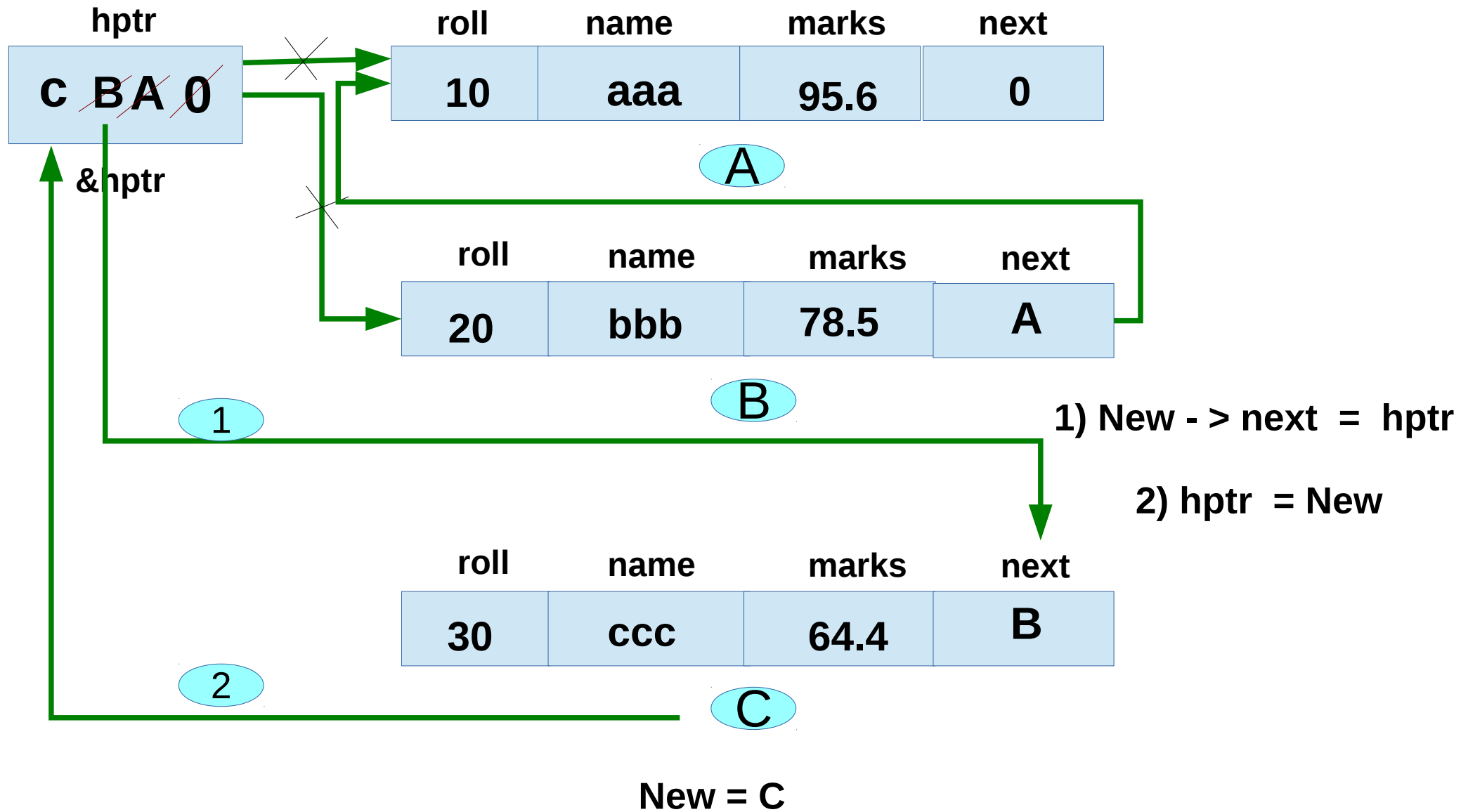


New = C

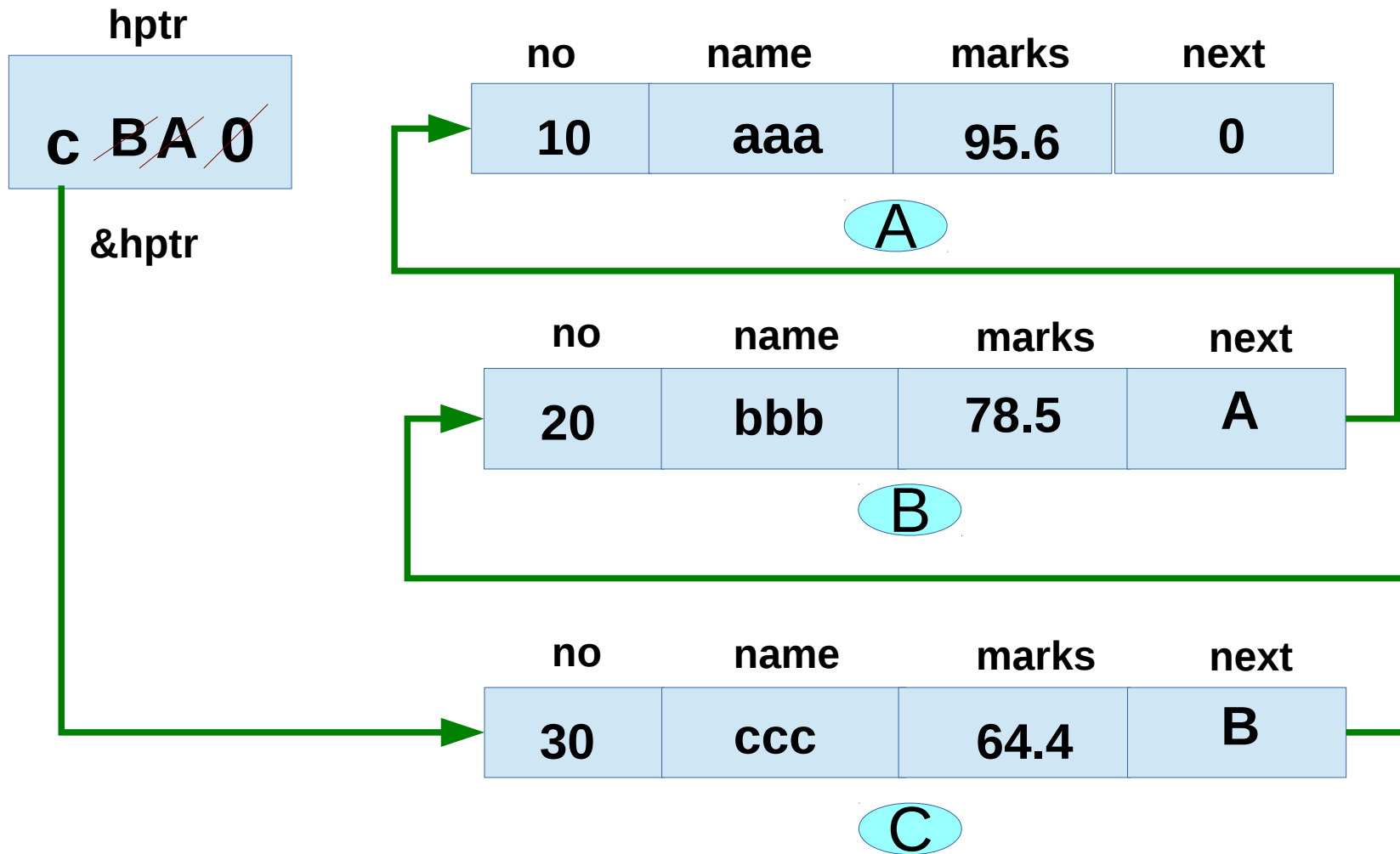
add_begin



add_begin

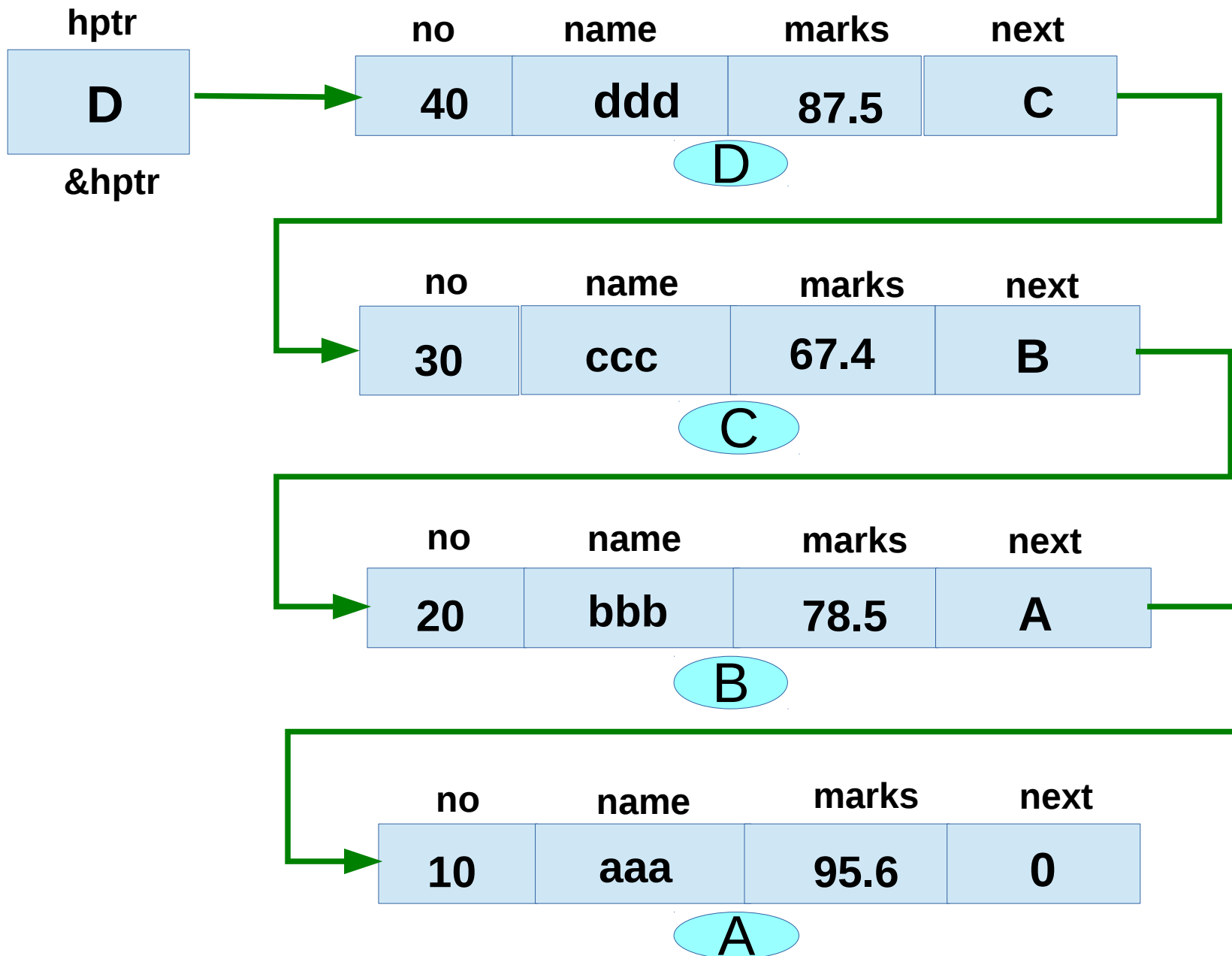


add_begin



In the same way after entering 4 student records

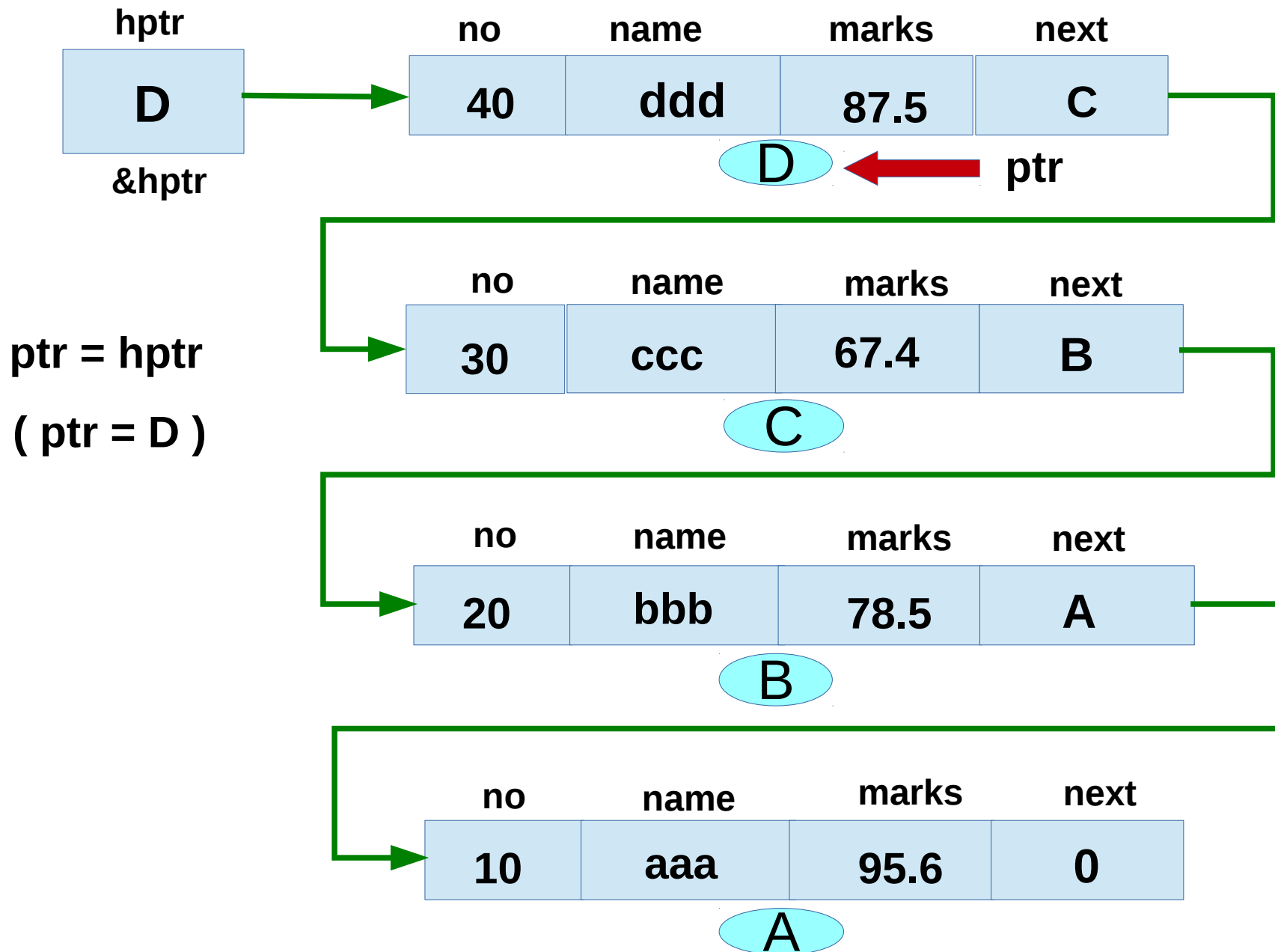
add_begin



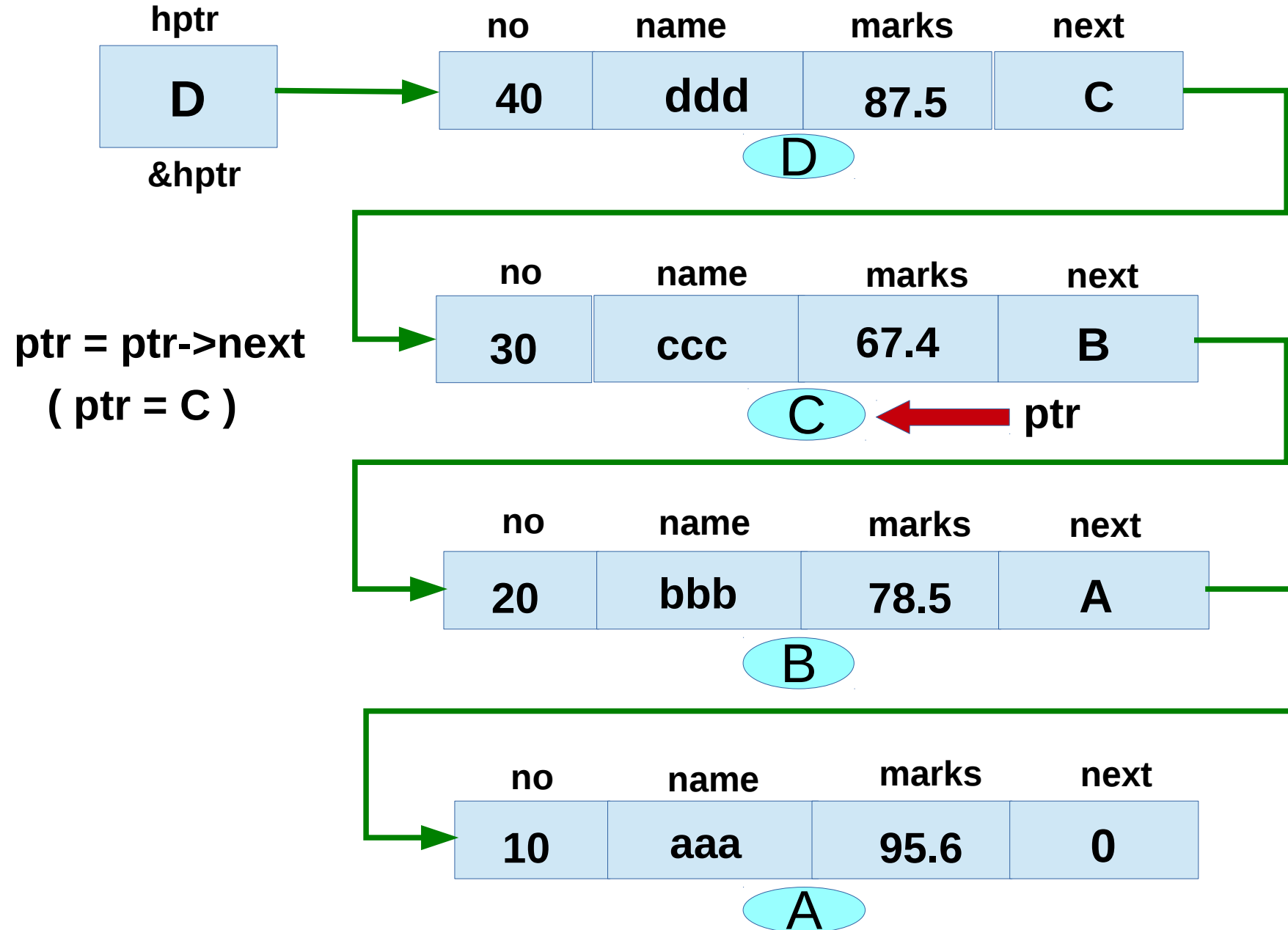
Printing the records

Now if you want to print the students record, then take a pointer (ptr) and point it to the first node address and make it traverse through each and every node and print.

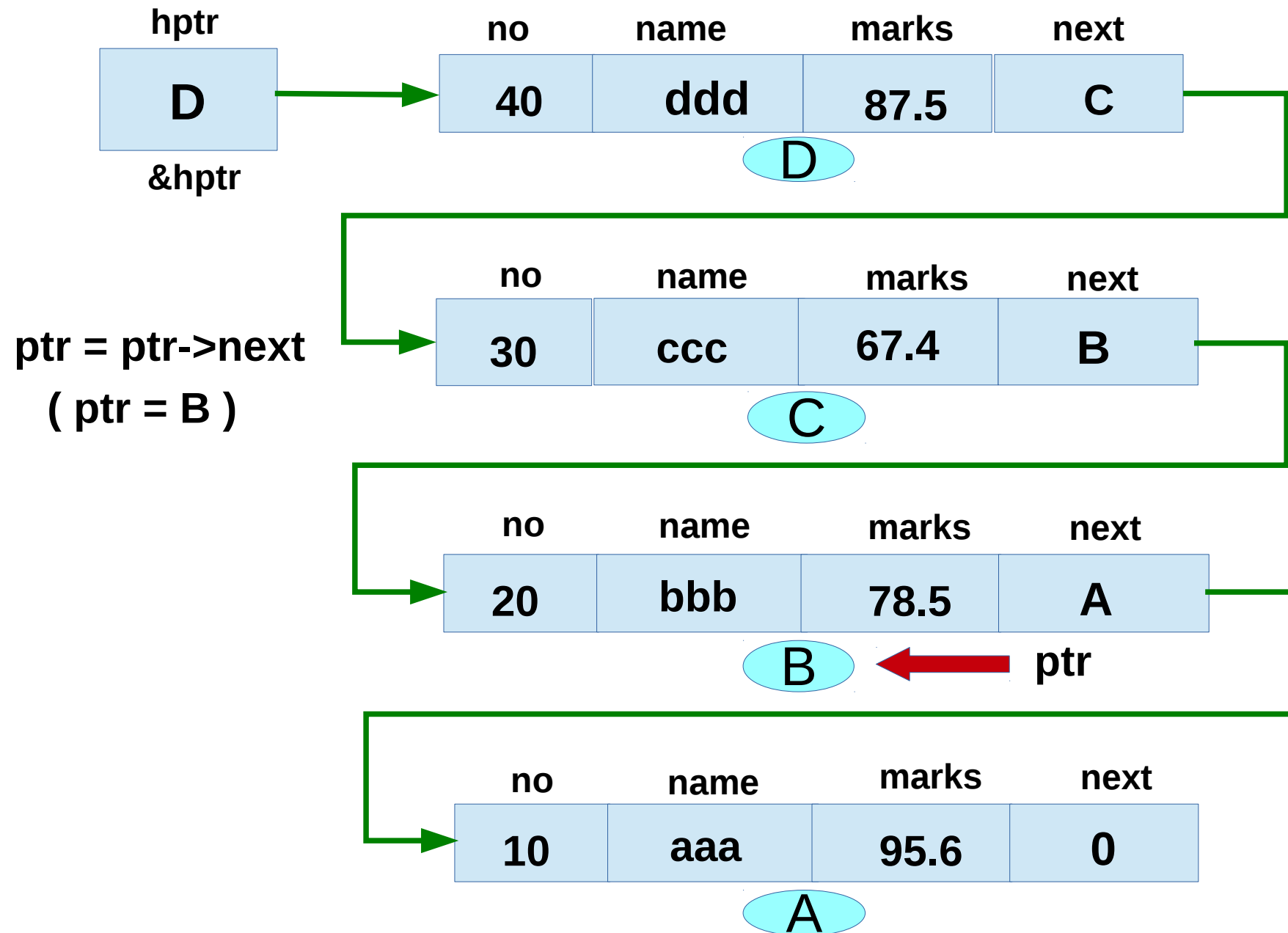
add_begin



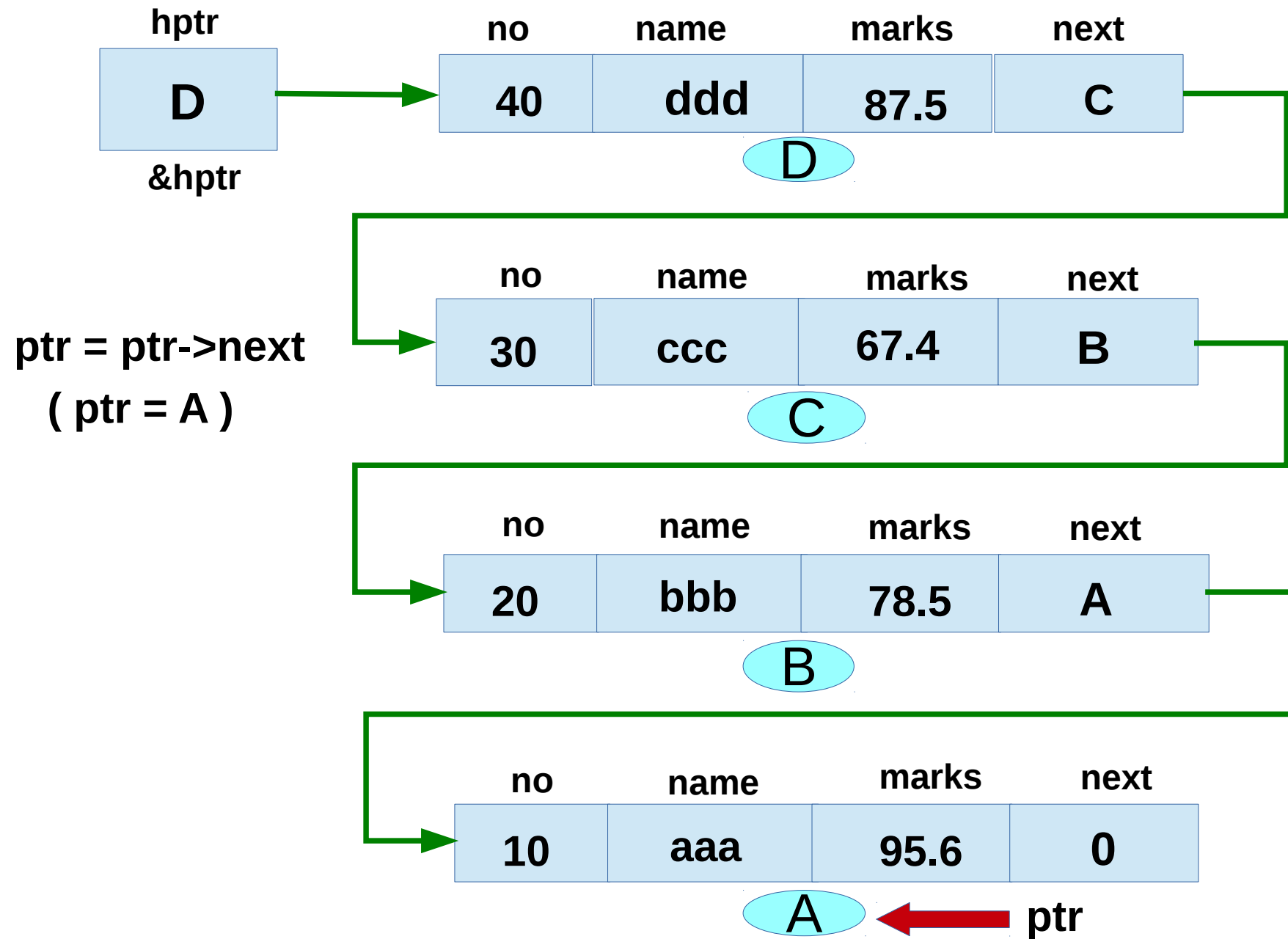
add_begin



add_begin



add_begin



add_begin

