T. makes Spurse (mat, by c) Output 1. Si=1, 1=0, 1=0 Student Roll (A) Insert Front (B) DeleteFront I stilled .s (D) Deleternd (c) Insert and (F) Add Afterfoll (F) Delete Pall (b) Show List (H) EXIT Conbon! A Ender name: Anil Enta roll: 10 Ender marts: 44 1-12 () (8] = [0] 502 · appion: C Ender name: Bihu goder roll: 20 Mr. major Perter marts: 55 option: 67 storm storm without 19 Roll Name Marks 10 Anil 44.00 20 Binu 55.00 4. Call add spagge with speciard spec 23: worldo deer. anter name: Cathy Entra roll: 10 Gorden rell: 30 6. DISPLAN SUM Rocher mouts: 66 7. find Combus 67 Marke Name Roll 44-00 10 00 mil 66.00 Cooping 30 ST.00 harristalo Blow 20 ophbu! F Rother Roll: 20 Option: 67 Manks Name Rell 99.00 Aril 10 66.00 Cathy 30

Calate a singly linked list to store the name, holl no:, marks obtained by a students. 17-Jan-2022 Implement the following function: (i) Insert student at front of list (ii) Insert Student at end of list (iii) Insert student after a particular student (holl no:) (iv) Delete student at bront of list (v) Delete student at end of litt (vi) Delote student having particular soll number, ALGORITHM 1. Declare a structure "Node" with hame, 2011, mark, next. J. make Nodel) 1. beate a new node, new Node 2. INPUT name, holl number, mark into new Node at name, roll, mark. 3. noturn new Node 1. add Front() 1. Get u from makeNode() 2. Set n-next to NULL if (HEAD == MILL), else to HEAD. 3. HEAD = n (1) remove Front () 1. if (HEAD == MILL): Rotun, 2. temp = HEAD -> next 3. Delete HEAD 4. HEAD = temp.

Ophbu: B Ophon: 67 Name Marks Roll 66.00 30 Coothey Ophon: A anto Name: Paniel Entornoll: 40 Enter marky: 77 option:D are after shall not having pasticular son All ophbu! 67 Name marks fell Daniel 77.00 40 option: H

2. Input many sourcember made into morning

```
1. Great in from make Noole()
    2. if (HEAD == NULL):
           HEAD = n
    3. else:
           end = HEAD
           while (end > next + NULL):
               end = end -> next
           end > next = n
F. Semore End()
     1. if (HEAD == MILL): notuen
    2. end = HEAD
    3. while (and-) next + MULL):
            sectend = end
            end = end -> next.
    4. if (sected == NULL): HEAD = NULL
        else: sected-next = Alle
    5. Delete end
M. add Afta Roll (4)
    1. Get a from makerode()
   2. POS = HEAD
   3. while (108 -) toll + sk AND pos+ MILL):
           pos = pos -> next.
   4. 16 (pos == NULL): Lotuen
   5. n->next = pos-next
   6. pos -mend = n
```

Dr. add End()

J. deleteroll (1k)

1. pos = HEAD

2. while (pos-)roll & str And pos & muce);

pos = pos -> next

3. 16 (pos == NULL): return

4. i6 (secros == NULL): HEAD = pos -> next

else: secros -> next = pos -> next

5. Relete pos.

In = HEAD

a. while (n + NULL):

DISPLAY n-) name, n-) noll, n-) mark

n=n-) nent

Tx. main()

1. Display a menu with options 4-67
2. NPUT holl number of hk if necessary
3. Call corresponding function from list:
add Front(1), hemove front(), add End(),
hemove that(), add After Poll(hk), deleteral(lik),
Show List (),

RESULT.

Program is executed successfully and output is obtained.