Julia Diliberto

CST 370

Homework 1

1a.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 9 | 17 | 22 | 20 | 26 | 36 |
|  |  |  |  |  |  |  | null |

|  |  |
| --- | --- |
| aList |  |
| first |  |
| mySize | 6 |

1b.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | | 9 | | 17 | | 22 | 30 | 20 | 26 | 36 |
|  |  | | |  | |  | |  |  |  |  | null |
|  |  | | |  | |  | |  |  |  |  |  |
|  |  | | |  | |  | |  |  |  |  |  |
| aList | |  |  | |  | |
| first | |  |  | |  | |
| mySize | | 7 |  | |  | |

2. 100

Illegal location: 2

300 100

300 100 400

3.

//-- Definition of sum()

int LinkedList::sum()

{

int total=0;

Node \* temp;

temp = first;

if (temp->next == NULL)

return temp->data;

while (temp=>next != null){

total = total + temp=>data;

}

total = total + temp=>data;

return total;

}