Q1

Step 1 : Calculate the average of the Linked List

int sum = 0, count = 0;

while (helpPtr != null) {

sum += helpPtr.getData();

count++;

helpPtr = helpPtr.getNext();

}

int average = sum / count;

Step 2: Delete all nodes less than the average

helpPtr = head;

while (helpPtr != null) {

//check if the head is less than the average

if (head.getSize() < average) {

head = head.getNext();

}

//check if the next node is less than the average the program will delete it

if (helpPtr.getNext() != null && helpPtr.getNext().getSize() < average) {

helpPtr.setNext(helpPtr.getNext().getNext());

}

helpPtr = helpPtr.getNext();

}

return head;

Q2

The sum() method

public void sum(Node head, Node tail){

//set two helpPtr one at the head and the other on the tail

helpPtr1 = head;

helpPtr2 = tail;

//moving the two pointer and sum the value of them

while (helpPtr1 != helpPtr2 && temp1.prev != helpPtr2){

int sum = helpPtr1.data + helpPtr2.data;

System.out.print("The sum is " + sum)

helpPtr1 = helpPtr1.next;

helpPtr2 = helpPtr2.prev;

}

//in case the Linked List have odd number of nodes

If(helpPtr1 == helpPtr2){

System.out.print(helpPtr1.data);

}

}