Rubric

* Correctly traverse of the linked list = 6
* Initialize sum/product variable= 1
* Calculate the sum / product = 6
* Returns the correct output = 2

Set A (Python)

def smallest\_number\_product(head, n):

total\_product = 1

h= head

count = 0

while h!=None and count < n:

total\_product =total\_product\* h.value

h = h.next

count += 1

return total\_product

Set B (Python)

def smallest\_number\_sum(head, n):

total\_sum = 0

h= head

count = 0

while h!=None and count < n:

total\_sum += h.value

h = h.next

count += 1

return total\_sum

Set A (Java)

public int smallestNumberProduct(Node head, int n) {

int totalProduct = 1;

Node h = head;

int count = 0;

while (h != null && count < n) {

totalproduct =totalproduct\* h.value;

h = h.next;

count=count+1;

}

return totalproduct;

}

Set B (Java)

public int smallestNumberSum(Node head, int n) {

int totalsum = 0;

Node h = head;

int count = 0;

while (h != null && count < n) {

totalsum =totalsum+ h.value;

h = h.next;

count=count+1;

}

return totalsum;

}