Data Structures – Lab

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SECTION: A

Link List Task

In this task we will be adding two list but the mathematical rule will be followed. The ouput must be a new list

E.g

   1 2 3 4

     1 1 1

_____

  1 3 4 5

Now Assume you had link list like this

E.g

List1 = 1->2->3->4

List2 = 1->1->1

Output = 1->3-4>5

E.g

List1 = 1->2

List2 = 1->1->1

output= 1->2->-3

E.g

List1 = 1

List2 = 1->1->1

Output = 1->1->2

E.g

List1 = 1

List2 = 1

output= 2

E.g

List1 = 9

List2 = 1->1->1

Output = 1-2>-0

E.g

List1 = 9->1->1

List2 = 1->1->1

Output = 1->0->2->2

1. You can not reverse a list
2. Most significant number will be added first