**Single Linked-List**

Insert at Head of list with data 100

LinkedList {insertFirst: ƒ, insertLast: ƒ, insertAt: ƒ, getAt: ƒ, removeAt: ƒ, …}

Insert at Head of list with data 200

Insert at Head of list with data 300

Insert at Head of list with data 400

Insert at Head of list with data 500

Insert at Head of list with data 600

Insert at Head of list with data 700

Insert at Head of list with data 800

Insert last in list with data 60

1. *LinkedList {insertFirst: ƒ, insertLast: ƒ, insertAt: ƒ, getAt: ƒ, removeAt: ƒ, …}*
   1. insertFirst: *data => {…}*
   2. insertLast: *data => {…}*
   3. insertAt: *(data, index) => {…}*
   4. getAt: *index => {…}*
   5. removeAt: *index => {…}*
   6. clearList: *() => {…}*
   7. printListData: *() => {…}*
   8. findListData: *findData => {…}*
   9. reverseList: *() => {…}*
   10. head: Node
       1. data: 100
       2. next: Node
          1. data: 200
          2. next: Node
             1. data: 300
             2. next: Node

data: 400

next: Node

data: 500

next: Node

data: 600

next: Node

data: 700

next: null

\_\_proto\_\_: Object

\_\_proto\_\_: Object

\_\_proto\_\_: Object

\_\_proto\_\_: Object

* + - * 1. \_\_proto\_\_: Object
      1. \_\_proto\_\_: Object
    1. \_\_proto\_\_: Object
  1. size: 7
  2. \_\_proto\_\_: Object

Print list...

800 0

700 1

600 2

500 3

400 4

300 5

200 6

100 7

60 8

Insert at index = 3 with data = 550

Print list...

800 0

700 1

600 2

550 3

500 4

400 5

300 6

200 7

100 8

60 9

Remove node at index 3

Print list...

800 0

700 1

600 2

500 3

400 4

300 5

200 6

100 7

60 8

Remove node at index 0

Print list...

700 0

600 1

500 2

400 3

300 4

200 5

100 6

60 7

Remove node at index 7

Print list...

700 0

600 1

500 2

400 3

300 4

200 5

100 6

Remove node at index 7 is outside of range.

Print list...

700 0

600 1

500 2

400 3

300 4

200 5

100 6

Data 400 found at index 3

Data 1000 was not found.

Data 700 found at index 0

Node with index 3 found with data = 400

Node with index 33 was not found.

Node with index 6 found with data = 100

Node with index 7 was not found.

LinkedList {insertFirst: ƒ, insertLast: ƒ, insertAt: ƒ, getAt: ƒ, removeAt: ƒ, …}

Reverse list.

Print list...

100 0

200 1

300 2

400 3

500 4

600 5

700 6