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| SortedLinkedList |

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| Attributes: |

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| - head: Node |

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| Methods: |

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| + SortedLinkedList() |

| | - Initializes an empty list. |

| + insertSorted(data: int): void |

| | - Inserts data while maintaining sorted order. |

| | - Throws IllegalArgumentException for invalid data |

| + printList(): void |

| | - Prints all elements in sorted order |

| + main(args: String[]): void |

| | - Handles user input and prints the sorted list. |

| | - Throws IllegalArgumentException for invalid input |

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| Node |

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| Attributes: |

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| - data: int |

| - next: Node |

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| Methods: |

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| + Node(data: int) |

| | - Initializes a node |

| + getData(): int |

| | - Returns node data |

| + setData(data: int): void |

| | - Sets node data |

| + getNext(): Node |

| | - Returns next node |

| + setNext(next: Node): void|

| | - Sets next node ref |

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