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|               SortedLinkedList               |
+-----+
| Attributes:                                   |
| -----|
| - head: Node                                |
|                                             |
| Methods:                                     |
| -----|
| + 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               |
+-----+
| Attributes:                       |
| -----|
| - data: int                       |
| - next: Node                      |
|                                   |
| Methods:                         |
| -----|
| + 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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