DSAHashEntry

- key: String
- value: Object
- state: int

toString(): String

DSAHashTable

- hashArray: DSAHashEntry []
- count: int
- dupeList: DSALinkedList

+ get(String): Object
+ find(String): int
+ hasKey(String): boolean
+ put(String, Object): void
+ remove(String): Object
+ dupeList(): DSALinkedList
+ loadFactor(): double
+ getLength(): int
+ print(): void
- initialise(): void
- resize(int): void
- grow(): void
- shrink(): void
- nextPrime(int): int
- hash(String): int
- stepHash(int): int

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- value:
- next: D
- prev: D

+ setVal
+ setNe
+ setPre

+ getVal
+ getNe
+ getPre

UnitTestDSAHashTable

+ main(String[]): void

HashFile

+ main(String[]): void
+ readFile(String, DSAHashTable): DSAHashTable
+ parseLine(String, DSAHashTable): DSAHashTable
+ writeFile(String, DSAHashTable): void

DSALinkedListItera

- iterNext: DSALlstNod

+ hasNext(): boolean
+ next(): Object

DSAListNode

Object
DSAListNode
DSAListNode

lue(Object): void
xt(DSAListNode): void
ev(DSAListNode): void

lue(): Object
xt(): DSAListNode
ev(): DSAListNode

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DSALinkedList

- head: DSAListNode
- tail: DSALIStNode

+ insertFirst(Object): void
+ insertLast(Object): void

+ iterator(): Iterator
+ peekFirst(): Object
+ peekLast(): Object
+ removeFirst(): Object
+ removeLast(): Object
+ isEmpty(): boolean

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