

Computer Science 367 Final Exam Reference Sheet

Turn this sheet in along with your exam.

Iterator<E> methods

boolean hasNext()
E next()
E remove()

Comparable<T> methods

int compareTo(T item)

String methods

char charAt(int index) *Returns the character at the specified index.*
int length() *Returns the length of this string.*
String substring(int beginIndex, int endIndex)
Returns a new string that is a substring of this string. The substring begins at the specified beginIndex and extends to the character at index endIndex - 1. Thus the length of the substring is endIndex - beginIndex.

BinaryTreenode<T> methods

T getData()
BinaryTreenode getLeft()
BinaryTreenode getRight()
void setData(T data)
void setLeft(BinaryTreenode left)
void setRight(BinaryTreenode right)

List ADT methods

void add(E item)
void add(int pos, E item)
boolean contains(E item)
int size()
boolean isEmpty()
E get(int pos)
E remove(int pos)
Iterator iterator()

BSTnode methods

Comparable getKey()
BSTnode getLeft()
BSTnode getRight()
void setKey(Comparable key)
void setLeft(BSTnode left)
void setRight(BSTnode right)

Queue ADT methods

boolean isEmpty()
void enqueue(E item)
E dequeue()

BST methods

void insert(Comparable key)
void delete(Comparable key)
boolean lookup(Comparable key)
void print(PrintStream p)

Stack ADT methods

boolean isEmpty()
void push(E item)
E pop()
E peek()

PriorityQueue ADT methods

boolean isEmpty()
void insert(Comparable item)
Comparable removeMax()
Comparable getMax()

Listnode<E> methods/constructors

Listnode(E data)
Listnode(E data, Listnode next)
E getData()
Listnode getNext()
void setData(E item)
void setNext(Listnode next)