





## Estructuras de datos

 <b>BinaryTree&lt;T&gt;</b> tp2
<ul style="list-style-type: none"> <li>▣ data: T</li> <li>▣ leftChild: BinaryTree&lt;T&gt;</li> <li>▣ rightChild: BinaryTree&lt;T&gt;</li> </ul>
<ul style="list-style-type: none"> <li>● BinaryTree(): void</li> <li>● BinaryTree(data: T): void</li> <li>● getData(): T</li> <li>● setData(data: T): void</li> <li>● getLeftChild(): BinaryTree&lt;T&gt;</li> <li>● getRightChild(): BinaryTree&lt;T&gt;</li> <li>● addLeftChild(child: BinaryTree&lt;T&gt;): void</li> <li>● addRightChild(child: BinaryTree&lt;T&gt;): void</li> <li>● removeLeftChild(): void</li> <li>● removeRightChild(): void</li> <li>● isEmpty(): boolean</li> <li>● isLeaf(): boolean</li> <li>● hasLeftChild(): boolean</li> <li>● hasRightChild(): boolean</li> <li>● toString(): String</li> </ul>

 <b>GeneralTree&lt;T&gt;</b> tp3
<ul style="list-style-type: none"> <li>▣ data: T</li> <li>▣ children: List&lt;GeneralTree&lt;T&gt;&gt;</li> </ul>
<ul style="list-style-type: none"> <li>● GeneralTree(data: T): void</li> <li>● GeneralTree(data: T, children: List&lt;GeneralTree&lt;T&gt;&gt;): void</li> <li>● getData(): T</li> <li>● setData(data: T): void</li> <li>● setChildren(children: List&lt;GeneralTree&lt;T&gt;&gt;): void</li> <li>● getChildren(): List&lt;GeneralTree&lt;T&gt;&gt;</li> <li>● addChild(child: GeneralTree&lt;T&gt;): void</li> <li>● isLeaf(): boolean</li> <li>● hasChildren(): boolean</li> <li>● isEmpty(): boolean</li> <li>● removeChild(child: GeneralTree&lt;T&gt;): void</li> </ul>

 <b>Stack&lt;T&gt;</b> tp1
<ul style="list-style-type: none"> <li>▴ data: List&lt;T&gt;</li> </ul>
<ul style="list-style-type: none"> <li>● Stack(): void</li> <li>● push(dato: T): void</li> <li>● pop(): T</li> <li>● top(): T</li> <li>● size(): int</li> <li>● isEmpty(): boolean</li> <li>● toString(): String</li> </ul>

 <b>Queue&lt;T&gt;</b> tp1
<ul style="list-style-type: none"> <li>▴ data: List&lt;T&gt;</li> </ul>
<ul style="list-style-type: none"> <li>● Queue(): void</li> <li>● enqueue(dato: T): void</li> <li>● dequeue(): T</li> <li>● head(): T</li> <li>● size(): int</li> <li>● isEmpty(): boolean</li> <li>● toString(): String</li> </ul>