# Lab: AVL Trees and AA-Trees

This document defines the lab for ["Data Structures – Advanced (C#)" course @ Software University](https://softuni.bg/trainings/4273/data-structures-advanced-with-csharp-november-2023).

## AA Tree

You are given class **AATree** your task is to implement all the methods with missing implementation.

* void **Insert**(T element) – **adds** an element
* int **Count** – returns the **number** of nodes
* bool **Contains**(T element) – returns **whether** the element is present or not
* void **InOrder**(Action<T> action) – the **action** **accepts** all the elements **in order** traversal
* void **PreOrder**(Action<T> action) – the **action** **accepts** all the elements **pre order** traversal
* void **PostOrder**(Action<T> action) – the **action** **accepts** all the elements **post order** traversal