<https://github.com/TT00FE39-3001/lecture6>

<https://github.com/seppotk/Datastructures_and_algorithms.git>

<https://binary-tree-visualizer.netlify.app/custom-tree>

# Outline

## Topics

* [Review](https://github.com/TT00FE39-3001/lecture6/blob/main/review.md)
* Binary Trees
* Binary Search Trees
* Heaps

## This Week in Points

* Group Activities (Max 9 points)
* Homework (Max 9 points)
* Peer reviews (Max 7 points)

## Part 1:

* Linear vs Non Linear data structures
* Binary Trees
  + Terminologies
  + Types of Binary Trees
  + Properties
  + Representation of Binary Trees
* [Activity 1](https://github.com/TT00FE39-3001/lecture6/blob/main/activity1)

## Part 2:

* Binary Search Trees
  + Visualization
  + Operations on Binary Search Trees
* [Activity 2](https://github.com/TT00FE39-3001/lecture6/blob/main/activity2)

## Part 3:

* Heaps
  + Visualization
  + Max vs Min Heaps
  + Array implementation of Heaps
  + Applications of Heap Data Structure
* [Activity 3](https://github.com/TT00FE39-3001/lecture6/blob/main/activity3)