

# Algorithm Design & Problem Solving: Lab work



# Contents



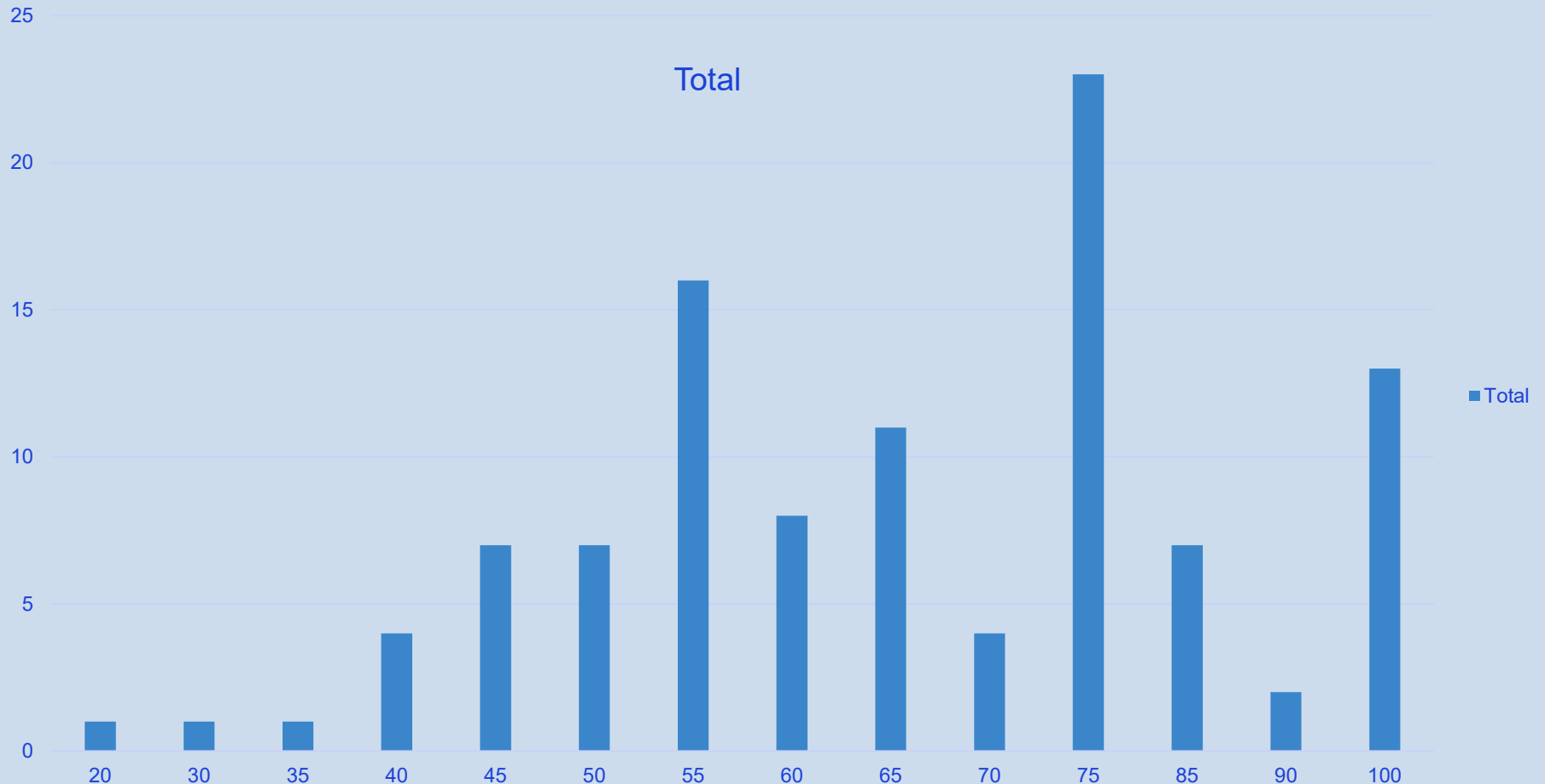
1

Week 5 Quiz

2

Lab work

# Analysis of this week's quiz



# Lab work

## Lab

- Selection Sort – Efficiency – what happens when there are many of the same item in the list?
- Bubble Sort – what happens if the list is already sorted?

# Lab work

What is the **Big O** of:

1. The iterative GCD algorithm (In Week 2 notes). Why?
2. The tree-drawing algorithm (in Week 3 notes). Why?
3. The Rock/Paper/Scissors algorithm (in Week 3 notes). Why



# Thank You !

