# Logbook week 13

1. The test is not always guaranteed to terminate. The test could theoretically always count between the two finishing points meaning it never reaches the end, though this is unlikely
2. The shortest amount of lines that can be achieved is 14, this is due to the counter starting at a finishing point, recognising this then counting up/down to the other finish point.
3. The largest number the counter can reach is 11, this is because it starts at 10 then immediately adds one.
4. The lowest possible number the counter can reach is -1 this happens when it starts as 0 and immediately counts down.